According to the Paperwork information unless it displays required to complete this infe existing data sources, gatheri	0	MB APPROVED 0579-0036								
This report is required by law to cease and desist and to be			lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 14-R-0029 er: 125				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) New England Aquarium Corporation Central Wharf Boston, MA 02110 Telephone: 6179730228						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	r tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, current, or tests. (An explanation of the procedures		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Oct-2021

information unless it displays	ed to respond to, a collection of ction is 0579-0036. The time viewing instructions, searching mation.	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 15-R-0022 er: 327689				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NEW ENGLAND INSTITUTE OF TECHNOLOGY ONE NEW ENGLAND TECH BLVD EAST GREENWICH, RI 02818 Telephone: 4017395000						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were		conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgrave, or tests. (An explanation of the procedures)		TOTAL NUMBER OF			
4 Dogs	0	0	6		0			6		
5 Cats	0	0	6		0			6		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 09-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 85-R-0009 Customer Number: 1073						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NEW MEXICO STATE UNIVERSITY Research MSC 3RES PO Box 30001 br/> LAS CRUCES, NM 88003 Telephone: 5756464463							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg pro reas	C. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to he animals and for which the use of appropriate nersthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, urgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the easons such drugs were not used must be attached to his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	5	2	0		0			2		
Pallid bat	5	2	0		0			2		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 16-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 72-V-0003 er: 1365			
ANNUAL RE	PORT OF RESE. (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NEW ORLEANS VAMC (629) 1601 PERDIDO STREET NEW ORLEANS, LA 70146 Telephone: 5045072000					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tests. (An explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 21-R-0008 Customer Number: 287						
ANNUAL RE	Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NEW YORK BLOOD CENTER INC 310 EAST 67TH STREET NEW YORK NEW YORK, NY 10065 Telephone: 2125703010								
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		C. Number of animals upon which teaching, experiments, research, surgery, or tests were onducted involving accompanying pain or distress to he animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or nterpretation of the teaching, research, experiments, urgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the easons such drugs were not used must be attached to his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	62		0			62		
Mongolian gerbil	0	0	62		0			62		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 21-R-0060 er: 311				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Ϋ́Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NEW YORK MEDICAL COLLEGE DEPT OF COMPARATIVE MEDICINE BASIC SCIENCE BUILDING VALHALLA, NY 10595 Telephone: 9145944217						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, current or tester. (An explanation of the procedures		TOTAL NUMBER OF			
4 Dogs	0	2	0		0			2		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	6	62		0			68		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	2	0	30		0			30		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 19-Nov-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 21-R-0223 er: 325904			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) ANNUAL REPORT OF RESEARCH FACILITY (SDA, include ZIP Code) NEW YORK STATE PSYCHIATRIC IN 1051 RIVERSIDE DRIVE NEW YORK, NY 10032 Telephone: 8606869115							e and Addre	ss, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were		exp con the ane: have inte surg proo	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgary, or tests. (An avalance of the procedures		TOTAL NUMBER OF	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	6	10		0			16	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0 0 0					0	
12 Other Animals	0	0	0 0 0						

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 26-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 21-R-0092 Customer Number: 465				
ANNUAL RE	Ϋ́Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NEW YORK UNIVERSITY SCHOOL OF MEDICINE DCM Div of Comparative Medicine I Park Ave, 6th floor br/> NEW YORK, NY 10016 Telephone: 2122635901						
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(At	ttach additional s	shee	ts, if necessary, or use APHIS FORM 7(023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		exp con the ane hav inte surg proo	2. Number of animals upon which teaching, xperiments, research, surgery, or tests were onducted involving accompanying pain or distress to he animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would ave adversely affected the procedures, results, or therpretation of the teaching, research, experiments, urgery, or tests. (An explanation of the procedures roducing pain or distress on these animals and the easons such drugs were not used must be attached to his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0			0
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	0	3	95		0			98
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	0	18		0			18
11 Pigs	0	0	0		0			0
12 Other Animals	0	142	8		0			150
Alston's brown mouse / Short-tailed singing mouse	0	142	8		0			150

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 51-F-0030 er: 43416				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		USDA, includ NIAID-MORC 33 NORTH D BLDG 33, RM	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NIAID-MORGAN ISLAND 33 NORTH DRIVE MSC 3207 BLDG 33, RM 2N09H br/> BETHESDA, MD 20892 Telephone: 9999999999						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	3509	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 72-R-0013 er: 1391			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NICHOLLS STATE UNIVERSITY DEPARTMENT OF BIOLOGY P.O. BOX 2021 < br/>> THIBODAUX, LA 70310 Telephone: 9854484700						
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number upon which teaching, ru- surgery, or conducted accompany distress to and for wh anesthetic,	r of animals h experiments, esearch, t tests were	E. N expected the a aness have inter surg proc	Number of animals upon which teaching eriments, research, surgery, or tests wer ducted involving accompanying pain or animals and for which the use of approp sthetic, analgesic, or tranquilizing druge e adversely affected the procedures, res rpretation of the teaching, research, exp gery, or tests. (An explanation of the pro- ducing pain or distress on these animals sons such drugs were not used must be a report.)	g, re distress to priate s would ults, or periments, pocedures a and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	4	4	0		0			4	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0			0				

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 04-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 93-R-0533 Customer Number: 322590						
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Nittobo America Inc. 25549 Adams Avenue Murrieta, CA 92562 Telephone: 951-677-5629				
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expe cond the a anes have inter surg proc	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	401	2829	4		0			2833		
Domestic Goat	401	2829	4		0			2833		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Nov-2021

information unless it displays	a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	umber for the sponse, inclu-	is information c uding the time fo	collector re	viewing instructions, searching	0	MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 51-R-0092 Customer Number: 13428						
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NOBLE LIFE SCIENCES, INC. 1500 FANNIE DORSEY ROAD SYKESVILLE, MD 21797 Telephone: 4107952222								
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg pro reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	70		0			70		
7 Hamsters	0	0	63		0			63		
8 Rabbits	26	0	93		0			93		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	6	0	26		0			26		
11 Pigs	10	0	123		0			123		
12 Other Animals	0	0	144		0			144		
Domestic Ferret	0	0	144		0			144		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 16-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 91-R-0079 Customer Number: 600625						
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Norman Peterson 21717 30th Drive SE Bldg 3 Telephone: 4252364309 Norman Peterson 21717 30th Drive SE									
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0 0 0							

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 17-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2020		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL		REGISTRATION NUMBER: 31-R-0068 Customer Number: 249					
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NORTH AMERICAN SCIENCE ASSOCIATES INC 6750 WALES RD NORTHWOOD, OH 43619 Telephone: 4196669455								ss, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	r of animals h experiments, research, r tests were	E. l exp con the ane hav inte surj pro reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	181		0			181		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	2912	42827	241		0			43068		
7 Hamsters	6	0	481		0			481		
8 Rabbits	726	5334	3796		0			9130		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	63		0			63		
11 Pigs	2	0	255			0		255		
12 Other Animals	0	0	0 0 0					0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 25-Nov-2020

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	result in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 58-R-0142 Customer Number: 322245						
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NORTH AMERICAN VETERINARY COMMUNITY 5003 SW 41ST BLVD GAINESVILLE, FL 32608 Telephone: 3523725672							ss, as registered with			
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	exp con the ane hav inte surg pro reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress t the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	86		0			86		
5 Cats	0	0	31		0			31		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0 0 0					0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 12-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order	Fiscal Year: 2021					
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 55-R-0022 Customer Number: 813						
ANNUAL RE	ΥY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NORTH CAROLINA A&T STATE UNIVERSITY LAB. ANIMAL RESOURCE UNIT 116 WEBB HALL br/> GREENSBORO, NC 27411 Telephone: 3363347709								
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached t this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	1	1	0		0			1		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	45	8	8		0			16		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	143	8	8		0			16		
Mongolian gerbil	143	8	8		0			16		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 16-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching of existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can re	esult in an order	r	Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRA' Customer Nu		N NUMBER: 55-R-0005 pr: 842	•		
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NORTH CAROLINA STATE UNIVERSITY CAMPUS BOX 7514 RALEIGH, NC 27695 Telephone: 919-515-0158				
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A.	B.	C.	D. Number	of animals	E. N	Number of animals upon which teaching	ıg,	F.	
Animals Covered By The Animal Welfare Regulations	Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		cond the a anes have inter surg proc reas	periments, research, surgery, or tests were nducted involving accompanying pain or distress to e animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would ve adversely affected the procedures, results, or erpretation of the teaching, research, experiments, regery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the usons such drugs were not used must be attached to s report.)		TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	21	21		0		42		
5 Cats	0	0	4		0		4		
6 Guinea Pigs	0	20	0		0			20	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	9	20		0			29	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	42	28		0			70	
11 Pigs	0	351	237		0			588	
12 Other Animals	0	445	901		0			1346	
Cattle / Cow / Ox / Watusi	0	67	21		0			88	
Mongolian gerbil	0	0	361		0			361	
Red wolf	0	0	8		0			8	
Domestic Goat	0	38	11		0			49	
Domestic Horse	0	78	58		0			136	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

APHIS FORM 7023 JUL 2013

Obtained by Rise for Animals. Uploaded to Animal Research Laboratory Overview (ARLO) og 07/22/2022

Date Signed 11-Nov-2021

information unless it displays	quired to respond to, a collection of ollection is 0579-0036. The time or reviewing instructions, searching nformation.	0	MB APPROVED 0579-0036					
This report is required by law to cease and desist and to be s			ations can r	esult in an order	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE				REGISTRATION NUMBER: 55-R-0005 Custoner Number: 842			
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NORTH CAROLINA STATE UNIVERSITY CAMPUS BOX 7514 RALEIGH, NC 27695 Telephone: 919-515-0158				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(At	tach additional	sheets, if necessary, or use APHIS FORM 7	023A.)		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching experiments, research, surgery, or tests wer conducted involving accompanying pain or the animals and for which the use of approg- anesthetic, analgesic, or tranquilizing drugs have adversely affected the procedures, res- interpretation of the teaching, research, exp surgery, or tests. (An explanation of the pro- producing pain or distress on these animals reasons such drugs were not used must be a this report.)	re r distress to priate s would sults, or periments, pocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
House mouse / lab mouse	0	17	0		0		17	
Prairie vole	0	245	442		0		687	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Exceutive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 11-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 45-R-0002 Customer Number: 1565						
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NORTH DAKOTA STATE UNIVERSITY 1735 NDSU RESEARCH PARK DRIVE, RESEARCH 1, PO BOX 6050 FARGO, ND 58108-6050 Telephone: 701-231-8114						
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expe cond the a anes have inter surg prod reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress he animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the teasons such drugs were not used must be attached to his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	78	46		0			124		
5 Cats	0	77	32		0			109		
6 Guinea Pigs	0	3	0		0			3		
7 Hamsters	0	1	0		0			1		
8 Rabbits	0	22	0		0			22		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	30	75		0			105		
11 Pigs	0	40	9		0			49		
12 Other Animals	0	57	15		0			72		
Cattle / Cow / Ox / Watusi	0	38	10		0			48		
Domestic Horse 0 19 5 0							24			

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 23-Nov-2021

information unless it display required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be	v (7 U.S.C. 2143). Failure to subject to penalties as provide	report according to the reguled for in Section 2150.	lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL		REGISTRATION NUMBER: 14-R-0216 Customer Number: 502907					
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registere USDA, include ZIP Code) NORTH SHORE COMMUNITY COLLEGE 1 FERNCROFT ROAD STEM AND EDUCATION DIVISION br/> DANVERS, MA 01923 Telephone: 9787624000							ess, as registered with			
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	esearch, tests were involving ying pain or the animals	expe cond the s anes have inte surg proo	Number of animals upon which teaching eriments, research, surgery, or tests wer ducted involving accompanying pain or animals and for which the use of approq sthetic, analgesic, or tranquilizing drugs e adversely affected the procedures, resi erpretation of the teaching, research, exp gery, or tests. (An explanation of the pro- ducing pain or distress on these animals sons such drugs were not used must be a ereport.)	e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 35-R-0139 Customer Number: 6003805					
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Northcentral Technical College 1000 W Campus Drive Wausau, WI 54401 Telephone: 7158031873								ss, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0 0					0	
12 Other Animals	0	0	0 0 0						

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 25-Jan-2022

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL		REGISTRATION NUMBER: 51-G-0001 Customer Number: 334304				
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Northeast Area Beltsville Location 10300 Baltimore Avenue Building 209, BARC- East BELTSVILLE, MD 20705 Telephone: 3015075714			
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. N expe cond the a aness have inter surge prod reaso	. Number of animals upon which teaching, xperiments, research, surgery, or tests were onducted involving accompanying pain or distru- e animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs wou ave adversely affected the procedures, results, or therpretation of the teaching, research, experime urgery, or tests. (An explanation of the procedur roducing pain or distress on these animals and t asons such drugs were not used must be attach uis report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	1	8	0		0			8	
11 Pigs	0	81	0		0			81	
12 Other Animals	607	3257	357		3262			6876	
ARS BIRDS	0	1378	0		3225			4603	
ARS MICE	453	1776	354		37			2167	
Cattle / Cow / Ox / Watusi	154	103	3		0			106	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 23-Nov-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	o	MB APPROVED 0579-0036								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		UMBER: 47-R-0022 544	_			
ANNUAL RE	(TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Northeast Community College 801 EAST BENJAMIN AVE NORFOLK, NE 68701 Telephone: 4028447100				
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)										
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate		experim conduct the anim anesthet have ad interpre surgery, produci	lumber of animals upon which teaching, priments, research, surgery, or tests were lucted involving accompanying pain or distress to animals and for which the use of appropriate thetic, analgesic, or tranquilizing drugs would e adversely affected the procedures, results, or pretation of the teaching, research, experiments, ery, or tests. (An explanation of the procedures lucing pain or distress on these animals and the ons such drugs were not used must be attached to report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	27		0			27		
5 Cats	0	0	32		0		32			
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	4		0			4		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	65		0			65		
Domestic Horse	0	0	3		0			3		
House mouse / lab mouse	0	0	40		0			40		
Domestic Ferret	0	0	2		0			2		
Norway rat / lab rat (common research/pet variety)	0	0	20		0			20		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Dec-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036
This report is required by law to cease and desist and to be s			ations can re	esult in an order		Interagency Report Control No. 0180-DOA-AN	F	Fiscal Year: 2021
UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE				REGISTRATION NUMBER: 47-R-0022 Custoner Number: 1544				
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Northeast Community College 801 EAST BENJAMIN AVE NORFOLK, NE 68701 Telephone: 4028447100				
REPORT OF ANIMALS USI	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(At	ttach additional .	sheets,	s, if necessary, or use APHIS FORM 70	023A.)	
Animals Covered By The AnimalNumber of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for suchNumber of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.upon which teaching, surgery, oc onducted and for wa an of the way.			upon which teaching, re surgery, or conducted accompany distress to t and for whi	D. Number of animals pon which experiments, eaching, research, surgery, or tests were tonducted involving accompanying pain or histress to the animals and for which appropriate anesthetic, analgesic, or		thetic, analgesic, or tranquilizing drugs would adversely affected the procedures, results, or pretation of the teaching, research, experiments, experiments, (An avalantian of the procedure		TOTAL NUMBER OF

used

this report.)

ASSURANCE STATEMENTS

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (1.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Dec-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 42-R-0050 er: 330262			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Northeast Iowa Community College P. O. Box 400 CALMAR, IA 52132 Telephone: 5635349957					
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		e distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	5	0		0			5	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Dec-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order	Interagency R No. 0180-		1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT	TON NUMBER: 31-R mber: 255	-0092				
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NORTHEAST OHIO MEDICAL UNIVERSITY 4209 STATE ROUTE 44 P.O. BOX 95 br/> ROOTSTOWN, OH 44272 Telephone: 3303256556				
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)										
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or dist he animals and for which the use of appropriate unesthetic, analgesic, or tranquilizing drugs wor have adversely affected the procedures, results, nterpretation of the teaching, research, experim surgery, or tests. (An explanation of the procedur oroducing pain or distress on these animals and easons such drugs were not used must be attach his report.)		g, re r distress to priate s would sults, or periments, ocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	4	0		0			4		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	45		0			45		
12 Other Animals	76	76	129		0			205		
Big brown bat	29	32	14		0			46		
Mongolian gerbil	34	44	115		0			159		
Naked mole-rat	13	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 14-R-0021 Customer Number: 118				
ANNUAL RE	Ϋ́Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NORTHEASTERN UNIVERSITY 12 MUGAR LIFE SCIENCES BLDG 360 HUNTINGTON AVE br/>BOSTON, MA 02115 Telephone: 6173734002						
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A	ttach additional s	shee	ts, if necessary, or use APHIS FORM 7(023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiment: surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0			0
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	67		0			67
8 Rabbits	0	0	2		0			2
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	0	0		0			0
11 Pigs	0	0	0		0			0
12 Other Animals	0	0	2		0			2
Black-footed ferret	0	0	2		0			2

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order	•	Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 82-R-0011 Customer Number: 478						
ANNUAL RE	ΥY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NORTHEASTERN WILDLIFE INC. 4825 E. HOLIDAY RD. HARRISON, ID 83833 Telephone: 2086899172								
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiment surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	59		0			59		
Groundhog / Woodchuck	0	0	59		0			59		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Nov-2021

According to the Paperwork information unless it display required to complete this inf existing data sources, gather	s a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	number for the sponse, incl	his information c uding the time for	collectio	n is 0579-0036. The time wing instructions, searching	о	MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		IUMBER: 86-R-0005 1045				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		ΥY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NORTHERN ARIZONA UNIVERSITY Box 5640 FLAGSTAFF, AZ 86011 Telephone: 9285231330						
	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A	ttach additional	sheets,	if necessary, or use APHIS FORM	7023A.)			
А.	В.	с.		r of animals h experiments,		nber of animals upon which teachin ments, research, surgery, or tests we		F.		
	Number of animals being Number of animals upon teaching which teaching, research, surgery,			research, tests were	ch, conducted involving accompanying pain or the animals and for which the use of appropriate the animals and for which the use of appropriate the animals and the second		or distress to opriate	TOTAL NUMBER OF		
Animals Covered By The Animal Welfare Regulations	bred, conditioned, or held for use in teaching, testing, experiments,	experiments, or tests were conducted involving no		ying pain or	have a	etic, analgesic, or tranquilizing drug dversely affected the procedures, re	esults, or	ANIMALS		
wenare Regulations	research, or surgery but not yet used for such purposes	pain, distress, or use of pain-relieving drugs.	distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		surger	etation of the teaching, research, ex y, or tests. (An explanation of the p ring pain or distress on these animal s such drugs were not used must be port.)	rocedures ls and the	(Cols. C + D + E)		
4 Dogs	0	0	0		0		0			
5 Cats	0	0	0		0		0			
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	39	22	40		0			62		
Meadow jumping mouse	25	0	0		0			0		
White-throated woodrat	0	0	22		0			22		
Western harvest mouse	1	16	18		0			34		
Pinyon mouse	4	0	0		0			0		
Northern pygmy mouse	9	6	0		0			6		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 20-Oct-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							MB APPROVED 0579-0036
This report is required by law to cease and desist and to be s			lations can re	esult in an order	Interagency Report Control No. 0180-DOA-AN	F	Fiscal Year: 2021
UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE				REGISTRATION NUMBER: 86-R-0005 Custoner Number: 1045			
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NORTHERN ARIZONA UNIVERSITY Box 5640 FLAGSTAFF, AZ 86011 Telephone: 9285231330			
REPORT OF ANIMALS USF	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(At	ttach additional	sheets, if necessary, or use APHIS FORM 7	023A.)	
A. Animals Covered By The Animal Welfare Regulations	imals Covered By The imal elfare Regulations Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such		tests were	Number of animals upon which teaching, periments, research, surgery, or tests were onducted involving accompanying pain or distress to e animals and for which the use of appropriate hesthetic, analgesic, or tranquilizing drugs would we adversely affected the procedures, results, or terpretation of the teaching, research, experiments, irgery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the asons such drugs were not used must be attached to		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	

used.

this report.)

ASSURANCE STATEMENTS

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Exceutive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 20-Oct-2021

information unless it display required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 34-R-0168 Customer Number: 507300					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NORTHERN BIOMEDICAL RESEARCH INC 1210 E Pontaluna Road SPRING LAKE, MI 49456 Telephone: 2317592333					
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whice teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distre- the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experimer surgery, or tests. (An explanation of the procedure producing pain or distress on these animals and th reasons such drugs were not used must be attached this report.)		e distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	5	228		0			233	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	4	10		0			14	
9 Non-Human Primates	0	18	643		0			661	
10 Sheep	0	0	1		0			1	
11 Pigs	0	0	4		0			4	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 17-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							0	MB APPROVED 0579-0036
This report is required by law to cease and desist and to be s			lations can r	result in an order Interagency Report Control No. 0180-DOA-AN Fiscal Year: 2021				Fiscal Year: 2021
	DEPARTMENT OF A VT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 45-G-0001 Customer Number: 334105				
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NORTHERN GREAT PLAINS RESEARCH LAB Box 459 MANDAN, ND 58554 Telephone: 7016636445			
REPORT OF ANIMALS USI	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A	ttach additional	sheet	s, if necessary, or use APHIS FORM 70	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		expe cond the a anes have inter surg proc reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distres the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experimen surgery, or tests. (An explanation of the procedure producing pain or distress on these animals and th reasons such drugs were not used must be attached this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0			0
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	0	0	0		0			0
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	0	0		0			0
11 Pigs	0	0	0		0			0
12 Other Animals	209	126	24		0			150
Cattle / Cow / Ox / Watusi	196	64	24		0			88
Domestic Goat	10	62	0		0			62
Llama	3	0	0 0 0					0

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 33-R-0067 Customer Number: 575					
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NORTHERN ILLINOIS UNIVERSITY RESEARCH AND INNOVATION PARTNERSHIPS 301 LOWDEN HALL-br/> DE KALB, IL 60115 Telephone: 8157531883							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expected conditioners the standard have inters surg proor reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distres the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiment surgery, or tests. (An explanation of the procedure: producing pain or distress on these animals and the reasons such drugs were not used must be attached this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	630	410	51		0			461	
Prairie vole	630	410	51		0			461	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 04-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 34-R-0121 Customer Number: 424						
ANNUAL RE	PORT OF RESE. (TYPE OR PRINT		Ϋ́Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NORTHERN MICHIGAN UNIVERSITY 1401 PRESQUE ISLE AVENUE MARQUETTE, MI 49855 Telephone: (906) 227-2300						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0 0					0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 33-R-0013 Customer Number: 597						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Northshore University Healthsystem 2650 Ridge Avenue EVANSTON, IL 60201 Telephone: 2243647100							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	6	0	27		0			27		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	50		0			50		
12 Other Animals	0	0	0 0					0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 08-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 32-R-0041 er: 17782			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NORTHWEST CENTER FOR MEDICAL EDUCATION 3400 BROADWAY GARY, IN 46408 Telephone: 2199806500							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached t this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 14-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 16-R-0040 er: 10301			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NORTHWESTERN CT COMMUNITY COLLEGE PARK PLACE EAST WINSTED, CT 06098 Telephone: 8607386485					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
А.	В.	С.	D. Number of animals upon which experiments, E. Number of animals upon which teaching, experiments, research, surgery, or tests were F.					F.	
Animals Covered By The Animal Welfare Regulations	Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	esearch, tests were	con the ane hav inte surg pro reas	ducted involving accompanying pain or animals and for which the use of approp sthetic, analgesic, or tranquilizing drug re adversely affected the procedures, res prpretation of the teaching, research, exp gery, or tests. (An explanation of the pro ducing pain or distress on these animals sons such drugs were not used must be a a report.)	distress to priate s would ults, or periments, pocedures and the	TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	19	0		0			19	
5 Cats	2	15	0		0			15	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	3	0		0			3	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 72-R-0008 er: 1396				
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NORTHWESTERN STATE UNIVERSITY 325 Bienvenu Hall NATCHITOCHES, LA 71497 Telephone: 3183575915						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg proo reas	A Number of animals upon which teaching, xperiments, research, surgery, or tests were onducted involving accompanying pain or distress to ne animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would ave adversely affected the procedures, results, or therpretation of the teaching, research, experiments, urgery, or tests. (An explanation of the procedures roducing pain or distress on these animals and the easons such drugs were not used must be attached to nis report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	15	0		0			15		
5 Cats	0	6	0		0			6		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	6	0		0			6		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	30	0		0			30		
Cattle / Cow / Ox / Watusi	0	26	0		0			26		
Domestic Horse 0 4 0					0			4		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

According to the Paperwork information unless it displays required to complete this infe existing data sources, gatheri	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order	- Int	eragency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRA Customer No		BER: 33-R-0129	•		
ANNUAL RE	PORT OF RESE. (TYPE OR PRINT		Υ	USDA, inclua NORTHWES 750 N. LAKE	le ZIP Code) TERN UNIVI SHORE DR -735 C	ERSITY	ne and Addre	ess, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		experiment conducted i the animals anesthetic, have advers interpretations surgery, or producing p reasons suc	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	7	0	52		0			52	
5 Cats	4	0	8		0			8	
6 Guinea Pigs	0	0	10		0			10	
7 Hamsters	0	0	0		0			0	
8 Rabbits	3	14	83		0			97	
9 Non-Human Primates	0	8	9		0			17	
10 Sheep	0	0	0		0			0	
11 Pigs	4	3	131		0			134	
12 Other Animals	75	46	63		0			109	
Mongolian gerbil	0	0	36		0			36	
Domestic Ferret	0	5	13		0			18	
Deer mouse	0	0	8		0			8	
Thirteen-lined ground squirrel	75	41	6		0			47	
				-	-		-		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 26-Oct-2021

information unless it displays	ed to respond to, a collection of ction is 0579-0036. The time viewing instructions, searching rmation.	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 16-R-0055 er: 331921			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NORWALK COMMUNITY COLLEGE 188 RICHARDS AVE NORWALK, CT 06854 Telephone: 2038577000						
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (A explanation of the procedures		TOTAL NUMBER OF	
4 Dogs	0	0	0		0			0	
5 Cats	0	5	0		0			5	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0 0						0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 28-Oct-2021

According to the Paperwork	Reduction Act of 1995, an a	gency may not conduct or sp	oonsor, and a	person is not re	equire	ed to respond to, a collection of			
information unless it displays	s a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	umber for th sponse, incl	nis information countries unding the time for	collector re	ction is 0579-0036. The time viewing instructions, searching	0	MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 58-R-0165 er: 15933			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NOVA SOUTHEASTERN UNIVERSITY 3301 COLLEGE AVE FORT LAUDERDALE, FL 33314 Telephone: 9542623386					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whice teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures		TOTAL NUMBER OF	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	12	0		0			12	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0 0						0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 06-Oct-2021

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
	w (7 U.S.C. 2143). Failure to subject to penalties as provid		lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 14-R-0164 er: 21373			
ANNUAL RE	PORT OF RESE , (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) NOVARTIS INSTITUTES FOR BIOMEDICAL RESEARCH INC 181 MASSACHUSETTS AVENUE ATTN: ASSOC DIR & HEAD, ANIMAL WELFARE COMPLIANCE br/> CAMBRIDGE, MA 02139 Telephone: 617-871-8000					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		exp con the ane hav inte surg proo	Number of animals upon which teaching beriments, research, surgery, or tests were iducted involving accompanying pain or animals and for which the use of approp esthetic, analgesic, or tranquilizing drugs re adversely affected the procedures, ress erpretation of the teaching, research, exp gery, or tests. (An explanation of the pro ducing pain or distress on these animals soons such drugs were not used must be a	re r distress to priate s would sults, or periments, ocedures s and the (Cols. C + D + E)		
4 Dogs	Ō	Ū	used.		0	s report.)		Ō	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	259		0			259	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	63		0			63	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

information unless it displays	ed to respond to, a collection of ction is 0579-0036. The time viewing instructions, searching mation.	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 84-R-0089 er: 331569			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Novus Biologicals 10730 E BRIARWOOD AVE CENTENNIAL, CO 80112 Telephone:						
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tasts. (An explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 06-Oct-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 33-R-0157 er: 505154			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as reg USDA, include ZIP Code) OAK HILL GENETICS LLC 21434 OAK HILL RD EWING, IL 62836 Telephone: 6186292692								ess, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 09-Dec-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL	REGISTRAT Customer Nu		N NUMBER: 63-F-0001 er: 965			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as regist USDA, include ZIP Code) OAK RIDGE NATIONAL LABORATORY P.O. BOX 2008 OAK RIDGE, TN 37831 Telephone: 8652418283								ss, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 14-Oct-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 34-R-0038 er: 201			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as register USDA, include ZIP Code) OAKLAND UNIVERSITY OFFICE OF RESEARCH ADMINISTRATION 528 WILSON HALL br/> ROCHESTER, MI 48309-4486 Telephone: 2483704440								ss, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgestry, or tests. (An explanation of the procedures)		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 31-R-0112 Customer Number: 1803						
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) OBERLIN COLLEGE OFFICE OF THE DEAN COLLEGE OF ARTS & SCIENCE COX ADMINISTRATION BUILDING 101 OBERLIN, OH 44074 Telephone: 4407758410				
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgence or teact. (An avalianction of the precedures		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	69	0	27		0			27		
Grey short-tailed opossum	69	0	27		0			27		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 12-Oct-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 57-R-0127 er: 18033			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and USDA, include ZIP Code) OGEECHEE TECHNICAL COLLEGE ONE JOE KENNEDY BLVD STATESBORO, GA 30458 Telephone: 8006461316								ss, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	31		0			31	
5 Cats	0	0	26		0			26	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	2		0			2	
9 Non-Human Primates	0	0	0 0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0 0						0	

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3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 08-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be	v (7 U.S.C. 2143). Failure to subject to penalties as provid	report according to the regulated for in Section 2150.	lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 31-R-0040 er: 8740				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	USDA, includ	le ZII HER MAIN 810	N UNIVERSITY N STREET	e and Addre	ess, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, crasts. (A a explanation of the procedures)		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	1	1	0		0			1		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Oct-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 31-R-0082 er: 251				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	USDA, include OHIO UNIVE	le ZI ERSI MPL I 457	TY IANCE, RES & TECH BLDG 117 701	and Addre	ss, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery tasts: (A explanation of the procedures		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	6		0			6		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	18		0			18		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Nov-2021

information unless it displays	a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	number for the sponse, inclusion	is information c uding the time fo	collector rev	viewing instructions, searching	0	MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order	:	Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 73-R-0120 Customer Number: 501397						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	ΥY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) OKC ALLERGY SUPPLIES INC 1005 S W 2nd Street OKLAHOMA CITY, OK 73109 Telephone: 4052311718							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		C. Number of animals upon which teaching, xperiments, research, surgery, or tests were onducted involving accompanying pain or distress to he animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would ave adversely affected the procedures, results, or nterpretation of the teaching, research, experiments, urgery, or tests. (An explanation of the procedures roducing pain or distress on these animals and the easons such drugs were not used must be attached to his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	32	32	0		0			32		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	40	40	0		0			40		
House mouse / lab mouse	40	40	0		0			40		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Nov-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 73-V-0001 er: 1367				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUA USDA, includo OKLAHOMA 921 N E 13TH OKLAHOMA Telephone: 40	le ZI CIT H ST CIT	Y V A M C Y, OK 73104	and Addre	ss, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the treaching, research, experiments, surgery, create, (A a exploration of the procedures)		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 15-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL		REGISTRATION NUMBER: 73-R-0119 Customer Number: 335360					
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) OKLAHOMA STATE UNIV.CTR FOR HEALTH SCIENCES 1111 West 17th St. TULSA, OK 74107 Telephone: 4052311718				
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expe cond the a anes have inter surg prod rease	C. Number of animals upon which teaching, xperiments, research, surgery, or tests were conducted involving accompanying pain or distress to he animals and for which the use of appropriate mesthetic, analgesic, or tranquilizing drugs would vave adversely affected the procedures, results, or nterpretation of the teaching, research, experiments, urgery, or tests. (An explanation of the procedures roducing pain or distress on these animals and the easons such drugs were not used must be attached to his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	146	0	0		0			0		
Prairie vole	146	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 73-R-0112 Customer Number: 10214						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	Ϋ́Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) OKLAHOMA STATE UNIVERSITY - OKLAHOMA CITY 900 N. Portland Avenue OKLAHOMA CITY, OK 73107 Telephone: 405-945-3200; 405-945-6746							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expe cond the anes have inte surg proo	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	79	26		0			105		
5 Cats	0	11	0		0			11		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	6	0		0			6		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	8	0		0			8		
Domestic Horse	0	8	0		0			8		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 11-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036			
This report is required by lav to cease and desist and to be			lations can r	esult in an order	- Int	teragency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021			
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		BER: 73-R-0121 460					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		ΥY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) OKLAHOMA STATE UNIVERSITY 101 McElroy Hall Annex Stillwater, OK 74078 Telephone: 4057448967							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)										
А.	В.	C.		er of animals E. Number of animals upon which teaching, experiments, research, surgery, or tests were			F.				
	Number of animals upon teaching		teaching, re surgery, or	esearch,	conducted	involving accompanying pain o s and for which the use of appro	or distress to				
Animals Covered By The Animal	bred, conditioned, or held for use in teaching,	experiments, or tests were conducted involving no	conducted	involving /ing pain or	anesthetic,	analgesic, or tranquilizing drug sely affected the procedures, re-	drugs would es, results, or h, experiments, he procedures imals and the	TOTAL NUMBER OF			
Welfare Regulations	testing, experiments, research, or surgery but	pain, distress, or use of pain-relieving drugs.	distress to	the animals ich appropriate	interpretati	on of the teaching, research, exp tests. (An explanation of the pr	periments,	ANIMALS			
	not yet used for such purposes		anesthetic, analgesic, or tranquilizing drugs were used.			pain or distress on these animal ch drugs were not used must be)		(Cols. C + D + E)			
4 Dogs	0	48	23		0			71			
5 Cats	8	2	58		0		60				
6 Guinea Pigs	16	12	0		0			12			
7 Hamsters	0	0	0		0			0			
8 Rabbits	0	11	0		391			402			
9 Non-Human Primates	0	0	0		0			0			
10 Sheep	20	2	65		0			67			
11 Pigs	0	0	30		0			30			
12 Other Animals	64	624	167		52			843			
Alpaca	0	1	0		0			1			
Domestic Goat	0	2	0		0			2			
Domestic Horse	0	100	74		0			174			
North American black bear	0	68	0		52			120			
Prairie vole	64	98	49		0			147			

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 15-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be s	v (7 U.S.C. 2143). Failure to subject to penalties as provid	report according to the reguled for in Section 2150.	lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A IT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 73-R-0121 Custoner Number: 502460					
	CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) OKLAHOMA STATE UNIVERSITY 101 McElroy Hall Annex Stillwater, OK 74078 Telephone: 4057448967			
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional	shee	ts, if necessary, or use APHIS FORM 70	023A.)		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con- the ane: hav inte surg proo reas	Number of animals upon which teaching, beriments, research, surgery, or tests were iducted involving accompanying pain or distress to animals and for which the use of appropriate sthetic, analgesic, or tranquilizing drugs would re adversely affected the procedures, results, or erpretation of the teaching, research, experiments, gery, or tests. (An explanation of the procedures ducing pain or distress on these animals and the sons such drugs were not used must be attached to s report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
Hispid cotton rat	0	0	12		0			12	
White-footed mouse	0	0	20		0)		20	
Eastern woodrat	0	0	9		0			9	
Ord's kangaroo rat	0	0	3		0			3	
Deer mouse	0	256	0		0			256	
Northern grasshopper mouse	0	20	0		0			20	
Thirteen-lined ground squirrel	0	4	0		0			4	
Western harvest mouse	0	51	0		0			51	
Hispid pocket mouse	0	5	0		0			5	
Marsh rice rat	0	1	0		0			1	
Little pocket mouse	0	16	0		0			16	
Puma / Mountain lion / Cougar	0	2	0		0			2	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Exceutive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 15-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be	v (7 U.S.C. 2143). Failure to subject to penalties as provid	report according to the reguled for in Section 2150.	lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 52-R-0009 Customer Number: 494						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Ϋ́Y	USDA, include	le ZII IION RESI VA 23	UNIVERSITY EARCH, 1 OLD DOMINION UNIVERS. 3529		ss, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, wrang or teate (An anglengtion of the precedures)		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	6		0			6		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	12		0			12		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 17-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be	v (7 U.S.C. 2143). Failure to subject to penalties as provid	report according to the reguled for in Section 2150.	lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 52-R-0009 Customer Number: 494						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Ϋ́Y	USDA, include	le ZII IION RESI VA 23	UNIVERSITY EARCH, 1 OLD DOMINION UNIVERS. 3529		ss, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, wrang or teate (An anglengtion of the precedures)		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	6		0			6		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	12		0			12		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 17-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 47-V-0001 Customer Number: 1554					
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) (TYPE OR PR								ess, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tests (An explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	4	0	23		0			23	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 23-Nov-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 52-R-0128 er: 328004			
 ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) OPERATIONAL MEDICINE CONSULTANTS L L C 3900 WESTERRE PKWY STE 300 HENRICO, VA 23233 Telephone: 4042938101 								ess, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or testr. (A a submettion of the procedures)		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	82	82 0				82	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 07-Oct-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 31-F-0002 Customer Number: 442					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Ϋ́Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) OPERATIONAL TOXICOLOGY BRANCH 711 H P W/R H D V - W P WRIGHT-PATTERSON AFB, OH 45433 Telephone: 9372554253					
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, currenty, or tests; (An explanation of the procedures)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0	0		0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 31-F-0002 Customer Number: 442					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Ϋ́Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) OPERATIONAL TOXICOLOGY BRANCH 711 H P W/R H D V - W P WRIGHT-PATTERSON AFB, OH 45433 Telephone: 9372554253					
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, currenty, or tests; (An explanation of the procedures)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0	0		0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 14-R-0217 Customer Number: 507471						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) ORA INC 300 Brickstone Square ANDOVER, MA 01810 Telephone: 9783329465							
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	378		0			378		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0	1		0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 19-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		NUMBER: 92-R-0001 ar: 1046		
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Oregon Health & Science University 3181 S W Sam Jackson Park Rd., #L335 Portland, OR 97239 Telephone: 5034941085						
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional i	sheet	s, if necessary, or use APHIS FORM 70	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expe cond the a anes have inter surg prod rease	. Number of animals upon which teaching, xperiments, research, surgery, or tests were onducted involving accompanying pain or distrate animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs woul ave adversely affected the procedures, results, or trepretation of the teaching, research, experime urgery, or tests. (An explanation of the procedure animals and t easons such drugs were not used must be attached is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	9		0			9
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	22		0			22
7 Hamsters	0	0	0		0			0
8 Rabbits	0	0	2		0			2
9 Non-Human Primates	4278	400	982		0			1382
10 Sheep	0	0	136		0			136
11 Pigs	0	0	154		0			154
12 Other Animals	0	0	121		0			121
Domestic Ferret	0	0	24		0			24
Prairie vole	0	0	97					97

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 28-Oct-2021

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order	r i	Interagency Report Control No. 0180-DOA-AN	:	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		MBER: 92-R-0041 93605			
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) OREGON STATE UNIVERSITY Research Office A312 Kerr Administration Bldg. CORVALLIS, OR 97331 Telephone: 5417378556				
	1				-	necessary, or use APHIS FORM 7		I	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate		experime conducte the anima anestheti have adv interpreta surgery, producin	Number of animals upon which teaching, eriments, research, surgery, or tests were ducted involving accompanying pain or distress to animals and for which the use of appropriate sthetic, analgesic, or tranquilizing drugs would e adversely affected the procedures, results, or repretation of the teaching, research, experiments, gery, or tests. (An explanation of the procedures ducing pain or distress on these animals and the sons such drugs were not used must be attached to report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0		0		
6 Guinea Pigs	0	0	8		0			8	
7 Hamsters	0	0	3		0			3	
8 Rabbits	0	8	0		0			8	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	40	22		0			62	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	344	71		0			415	
Domestic Horse	0	0	15		0			15	
Alpaca	0	0	22		0			22	
Llama	0	0	6		0			6	
Domestic Goat	0	0	4		0			4	
Cattle / Cow / Ox / Watusi	0	0	2		0			2	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036
This report is required by law to cease and desist and to be s			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021
	DEPARTMENT OF A IT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL	REGISTRAT		N NUMBER: 92-R-0041 er: 503605		
CONTINU REPORT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) OREGON STATE UNIVERSITY Research Office A312 Kerr Administration Bldg. CORVALLIS, OR 97331 Telephone: 5417378556						
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional	shee	ets, if necessary, or use APHIS FORM 70	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte sur pro rea	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
Ringtail	0	0	22		0			22
Red Tree Vole	0	13	0		0			13
Elk	0	9	0		0			9
Deer mouse	0	221	0		0			221
Dusky-footed woodrat	0	14	0		0			14
Shadow Chipmunk	0	69	0		0			69
Northern flying squirrel	0	2	0		0			2
Gappers red-backed vole	0	6	0		0			6
California vole	0	10	0		0			10

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (LO.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Nov-2021

information unless it display	ed to respond to, a collection of tion is 0579-0036. The time viewing instructions, searching mation.	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 21-R-0179 Customer Number: 413					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) ORENTREICH FOUNDATION FOR THE ADVANCEMENT OF SCIENCE, INC. 855 ROUTE 301 COLD SPRING, NY 10516 Telephone: 8452654200					
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgary, or tester (An avalantic of the procedures)				
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0	0		0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 04-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 93-R-0524 er: 44767				
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (USDA, include ZIP Code) OTONOMY INC. 4796 Executive Drive SAN DIEGO, CA 92121 Telephone: 619-3232240							e and Addre	ss, as registered with		
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whice teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress t the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		e distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

information unless it display required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order	esult in an order Interagency Report Control No. 0180-DOA-AN Fiscal Year: 2021				
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 46-R-0007 er: 1738			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) OVIS 47825 279TH STREI CANTON, SD 57013 Telephone: 6056796						REET 013	e and Addre	ess, as registered with	
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments. surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached t this report.)		e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	286	6	0		0			6	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 19-Nov-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	ewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	-	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 61-R-0111 Customer Number: 329595						
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) OWENSBORO COMMUNITY & TECHNICAL COLLEGE 4800 NEW HARTFORD ROAD OWENSBORO, KY 42303 Telephone: 2706863780					
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals		exper condu the ar anestl have interp surge produ reason	Number of animals upon which teaching, periments, research, surgery, or tests were nducted involving accompanying pain or distress to e animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would ve adversely affected the procedures, results, or terpretation of the teaching, research, experiments, rgery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the asons such drugs were not used must be attached to is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	34	4		0		38			
5 Cats	0	23	10		0			33		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	3	0		0			3		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	18	0		0			18		
Domestic Horse	0	2	0		0			2		
Cattle / Cow / Ox / Watusi	0	12	0		0			12		
Norway rat / lab rat (common research/pet variety)	0	4	0		0			4		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 21-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be s			lations can r	esult in an order		ency Report Control 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL		TION NUMBER	: 23-R-0184				
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Oxford Care Facilities, LLC P.O. Box 5199 Limerick, PA 19468 Telephone: 4847913823					
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were		experiments, resconducted involvements, resconducted involvements, and an esthetic, analg have adversely a interpretation of surgery, or tests, producing pain c	Number of animals upon which teaching, eriments, research, surgery, or tests were ducted involving accompanying pain or distress to animals and for which the use of appropriate sthetic, analgesic, or tranquilizing drugs would e adversely affected the procedures, results, or rrpretation of the teaching, research, experiments, gery, or tests. (An explanation of the procedures ducing pain or distress on these animals and the sons such drugs were not used must be attached to report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0		0			
6 Guinea Pigs	318	63	8		0			71		
7 Hamsters	0	0	0		0			0		
8 Rabbits	55	231	3		0			234		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	14	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	154	53	0		0			53		
Cattle / Cow / Ox / Watusi	2	0	0		0			0		
Domestic Goat	142	51	0		0			51		
Alpaca	1	1	0		0			1		
Llama	1	1	0		0			1		
Domestic Horse	2	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 02-Nov-2021

According to the Paperwork l information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can re	esult in an order	Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE				REGISTRATION NUMBER: 23-R-0184 Custoner Number: 335654			
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Oxford Care Facilities, LLC P.O. Box 5199 Limerick, PA 19468 Telephone: 4847913823				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(At	ttach additional	sheets, if necessary, or use APHIS FORM 7	7023A.)		
A. B. C. D. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. D. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.				r of animals h experiments, esearch, tests were involving ving pain or the animals ich appropriate analgesic, or ng drugs were	E. Number of animals upon which teachin experiments, research, surgery, or tests we conducted involving accompanying pain of the animals and for which the use of appro- anesthetic, analgesic, or tranquilizing drug have adversely affected the procedures, re interpretation of the teaching, research, ex surgery, or tests. (An explanation of the pa producing pain or distress on these animal reasons such drugs were not used must be this report.)	ere or distress to opriate gs would esults, or aperiments, rocedures ls and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
Donkey / Burro / Ass	6	0	0		0		0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Exceutive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 02-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 73-G-0002 Customer Number: 334306						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) P A GRAZINGLANDS RESEARCH LAB 7207 West Cheyenne Street EL RENO, OK 73036 Telephone: 4052625291							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expe cond the a anes have inter surg proc	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	586	159	0		0			159		
Cattle / Cow / Ox / Watusi	586	159	0		0			159		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 71-G-0003 Customer Number: 500501						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) P P P S R 1260 W. Maple O-303 POCS UARK FAYETTEVILLE, AR 72701 Telephone: 4795752654						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expe cond the a anes have inter surg prod reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	326		89			415		
ARS BIRDS	0	0	326		89			415		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Nov-2021

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 65-G-0002 Customer Number: 334886						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		ΥY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) P R U P.O. Box 5367 MISSISSIPPI STATE, MS 39762 Telephone: 6623207501						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con- the ane: have inte surg proo	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	4154	38		0			4192		
ARS BIRDS	0	4154	38		0			4192		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 15-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 93-R-0189 er: 1143				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		USDA, include PACIFIC BIO 551 LINUS PA HERCULES, 6	HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with DA, include ZIP Code) CIFIC BIOLABS I LINUS PAULING DRIVE RCULES, CA 94547 ephone: 5109649000						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number upon which teaching, ru- surgery, or conducted accompany distress to and for wh anesthetic,	r of animals h experiments, esearch, t ests were involving ying pain or the animals	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, current, or tasts. (A a explanation of the procedures		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	4056	113		18			4187		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	30	2828		0			2858		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 58-R-0166 er: 508033				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	USDA, includ PALM BEACI 901 S Flagler	le ZII H AT r Driv 708<1	FLANTIC UNIVERSITY INC ve br/> WEST PALM BEACH, FL 33416	and Addre	ss, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, currary, or tests. (An expendence)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	8	0		0			8		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 24-Nov-2021

information unless it display	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be	w (7 U.S.C. 2143). Failure to subject to penalties as provide	report according to the reguled for in Section 2150.	lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 74-R-0157 er: 1645				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		USDA, includ PALO ALTO 1400 WEST V SAN ANTONI	. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with ISDA, include ZIP Code) ALO ALTO COLLEGE 400 WEST VILLARET AN ANTONIO, TX 78224 elephone: 2104863000						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tests; (An explanation of the procedures		TOTAL NUMBER OF			
4 Dogs	0	0	24		0			24		
5 Cats	0	0	24		0			24		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	2		0			2		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 02-Dec-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 21-R-0244 er: 41952				
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) PAR STERILE PRODUCTS LLC 6 RAM RIDGE ROAD CHESTNUT RDG, NY 10977 Telephone: 8453644846								ess, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery creats. (An explanation of the procedures)					
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	108	451		0			559		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 04-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching 0579-0036 existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		/ Report Control 80-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT	TON NUMBER: 33 mber: 571	3-R-0100				
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) PARKLAND COLLEGE 2400 W. BRADLEY AVENUE CHAMPAIGN, IL 61821 Telephone: 2173512224				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A)	ttach additional	sheets, if necessary, a	or use APHIS FORM 7	7023A.)			
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or		experiments, researc conducted involving the animals and for anesthetic, analgesic have adversely affee interpretation of the surgery, or tests. (A producing pain or d	Number of animals upon which teaching, periments, research, surgery, or tests were nducted involving accompanying pain or distress t e animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would we adversely affected the procedures, results, or terpretation of the teaching, research, experiments, rgery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the asons such drugs were not used must be attached to is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	8		0			8		
5 Cats	0	0	10		0			10		
6 Guinea Pigs	0	4	0		0			4		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	3	0		0			3		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	20	0		0			20		
Norway rat / lab rat (common research/pet variety)	0	10	0		0			10		
House mouse / lab mouse	0	10	0		0			10		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 15-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 58-R-0167 er: 6003198				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUA USDA, include PAUL L HAR 22603 Esplant Boca Raton, F Telephone: 56	e ZII T ada FL 33	Circle W 3433	e and Addre	ss, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	r tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, current, or tasts. (An explanation of the procedures		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Jan-2022

information unless it display	s a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	number for the sponse, inclu-	is information c uding the time for	collecti or revie	ewing instructions, searching	0	MB APPROVED 0579-0036		
This report is required by lav to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		NUMBER: 23-R-0021 : 306				
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) PENNSYLVANIA STATE UNIVERSITY OFFICE FOR RESEARCH PROTECTIONS THE 330 BUILDING SUITE 205 UNIVERSITY PARK, PA 16802 Telephone: 8148651775				
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)										
А.	В.	С.		ber of animals E. Number of animals upon which teaching experiments, research, surgery, or tests w				F.		
	Number of animals being bred, conditioned, or held	Number of animals upon which teaching, research,	teaching, re surgery, or	esearch, tests were	condu the ar	acted involving accompanying pain on nimals and for which the use of appro-	r distress to priate	TOTAL NUMBER OF		
Animals Covered By The Animal Welfare Regulations	for use in teaching, testing, experiments,	experiments, or tests were conducted involving no		ying pain or	have	hetic, analgesic, or tranquilizing drug adversely affected the procedures, res	tappropriate g drugs would res, results, or ch, experiments, the procedures nimals and the Cols. C	ANIMALS		
wenare Regulations	research, or surgery but not yet used for such purposes	pain, distress, or use of pain-relieving drugs.	distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		surge produ reaso	retation of the teaching, research, exp ry, or tests. (An explanation of the pr teing pain or distress on these animals ns such drugs were not used must be eport.)	ocedures s and the	(Cols. $C + D + E$)		
4 Dogs	0	0	0		0	0		0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	45		446			491		
8 Rabbits	23	38	54		0			92		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	8	27		0			35		
12 Other Animals	0	1634	40		53			1727		
Cattle / Cow / Ox / Watusi	0	3	0		0			3		
Eastern chipmunk	0	52	0		0			52		
Deer mouse	0	1108	0		0			1108		
White-tailed deer	0	223	0		0			223		
Domestic Ferret	0	0	0		53			53		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 17-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036					
This report is required by law to cease and desist and to be s			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021
	DEPARTMENT OF A IT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 23-R-0021 xr: 306		
	ATION SHEET Γ OF RESEARCI (TYPE OR PRINT	H FACILITY		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) PENNSYLVANIA STATE UNIVERSITY OFFICE FOR RESEARCH PROTECTIONS THE 330 BUILDING SUITE 205 br/> UNIVERSITY PARK, PA 16802 Telephone: 8148651775				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(A	ttach additional	shee	ts, if necessary, or use APHIS FORM 70	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals pon which experiments, eaching, research, urgery, or tests were conducted involving accompanying pain or listress to the animals and for which appropriate anesthetic, analgesic, or ranquilizing drugs were used.		Number of animals upon which teaching, uperiments, research, surgery, or tests were noducted involving accompanying pain or distress to e animals and for which the use of appropriate testhetic, analgesic, or tranquilizing drugs would twe adversely affected the procedures, results, or terpretation of the teaching, research, experiments, rrgery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the asons such drugs were not used must be attached to is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
Eastern mole	0	3	0		0			3
North American black bear	0	11	40		0			51
Elk	0	86	0		0			86
Snowshoe hare	0	52	0		0			52
Raccoon	0	3	0		0			3
Eastern grey squirrel	0	13	0		0			13
American red squirrel	0	8	0		0			8
Northern flying squirrel	0	11	0		0			11
Virginia opossum	0	4	0		0			4
Northern short-tailed shrew	0	26	0		0			26
North American porcupine	0	7	0		0			7
Woodland jumping mouse	0	2	0		0			2
Long-tailed weasel	0	1	0		0			1
Fisher	0	1	0		0			1
Gappers red-backed vole	0	20	0		0			20

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Exceutive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Obtained by Rise for Animals. Uploaded to Animal Research Laboratory Overview (ARLO) og 207/22/2022

Date Signed 17-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							MB APPROVED 0579-0036
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	-	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		NUMBER: 58-R-0148 r: 324274		
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) PENSACOLA STATE COLLEGE 1000 COLLEGE BLVD BIOLOGY DEPARTMENT PENSACOLA, FL 32504 Telephone: 8504841941						
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A	ttach additional .	sheets	s, if necessary, or use APHIS FORM 7(023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expe cond the a anes have inter surg prod rease	C. Number of animals upon which teaching, xperiments, research, surgery, or tests were onducted involving accompanying pain or distress he animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would lave adversely affected the procedures, results, or nterpretation of the teaching, research, experiments urgery, or tests. (An explanation of the procedures roducing pain or distress on these animals and the easons such drugs were not used must be attached t his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	30	13		0			43
5 Cats	0	29	22		0			51
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	0	0	0		0			0
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	0	0		0			0
11 Pigs	0	0	0		0			0
12 Other Animals	0	17	0		0			17
Cattle / Cow / Ox / Watusi	0	2	0		0			2
Domestic Horse	0	15	0		0			15

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 15-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 21-R-0088 er: 339				
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) PFIZER GLOBAL RESEARCH & DEVELOPMENT 235 EAST 42ND ST NEW YORK NEW YORK, NY 10017 Telephone: 860-441-8394				
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg pro reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	274	43		1			318		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	1	111	0		0			111		
7 Hamsters	0	207	13		2			222		
8 Rabbits	0	498	4		0			502		
9 Non-Human Primates	0	627	187		1			815		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	3	33		0			36		
Domestic Ferret	0	3	33		0			36		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 15-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 41-R-0063 er: 19782			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) PHARMGATE BIOLOGICS INC 2575 UNIVERSITY AVE W SUITE 100 SAINT PAUL, MN 55114 Telephone: 6516445391						
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, catests. (A a explanation of the procedures)		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	52	0		0			52	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0 0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0 0						0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Oct-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 33-R-0150 er: 568			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) PHARMICHEM TESTING SERVICES, INC. 17501 W. DUVAN DRIVE TINLEY PARK, IL 60477 Telephone: 7084294040								ess, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery crists: (An explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	26	0		0			26	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	65	14		0			79	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0 0						0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 11-Nov-2021

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
	w (7 U.S.C. 2143). Failure to subject to penalties as provided to penalties as provided as the second statement of the second		lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 93-R-0382 er: 1288				
ANNUAL RE	EPORT OF RESE (TYPE OR PRINT		Ϋ́Υ	2. HEADQU, USDA, includ Phoenix Phar 330 Beach Ro Burlingame, C Telephone: 65	le ZL rmac pad CA 9	euticals Inc. 94010	and Addre	ess, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, currany, or tasty. (A a exploration of the procedures)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	12	0		0			12		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0 0					0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Oct-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 56-R-0117 er: 40261			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) PIEDMONT TECH COLLEGE 620 N EMERALD ROAD GREENWOOD, SC 29648 Telephone: 8039814219					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tastr. (A a exploration of the procedures)		TOTAL NUMBER OF		
4 Dogs	0	17	33		0			50	
5 Cats	0	12	49		0			61	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

Bit report is required by law (? U.S.C. 2143). Failure to report according to the regulations can itsuit in an order to case and desist and to be adject to prainties a period of in Section 3129. Intergency Report Cound No 0183-DOD-AN Funcal Year: 3021 Funcal desist and to be adject to prainties a period of the Section 3129. INCREMENTION NUMBER: 93-R40631 Counter Number: 1122 Funcal Year: 3021 ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) INCREMENTION NUMBER: 93-R40631 Counter Number: 1122 REPORT OF ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) REPORT OF ANNUALS USED BY OR UNDER CONTOL OF RESEARCH FACILITY (Attack additional detex); (Increasing, or and APIE FORM 70254) A set of a minits being bed, coladition, of head bed, coladition, coladition, of head bed, coladition, coladition, of head bed, coladition, coladition, of head bed, coladition, coladition, coladition, coladition, coladition, coladition, coladition, coladition,	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching 0579-0036 of 0579								
AND PLANT HEALTH INSPECTION SERVICE Consome Number: 172 ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) Consome Number: 172 Lisbal Consome Number: 172<				lations can r	esult in an order			Fiscal Year: 2021	
AINNOLAD KEP OK FOR NOT KESSEARCH FACHERT (TYPE OR PRINT) USDA, include 2P Code) PIERCE COLLEGE BOUNDARD MILLS CA 9 1971 EXEMPLOY OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACHERY (LITY/Attack additional sheets, if necessary, or use APHIS FORM 7023A). A. A. B. Number of animals being bound in techning, research, surgery, or tests were pain distress or use of prior techning, testing, experiments, research, surgery, or tests were pain distress, or use of prior techning, testing, experiments, research, surgery, or tests were pain distress, or use of prior techning, testing, experiments, research, surgery, or tests were pain distress or use of prior techning, testing, experiments, research, surgery, or tests were pain distress or use of prior tests were pain				MAL					
A.B.C.D. Number of animals upon which experiments, upon which experiments, surgery, or tests were conducted involving occompanying pain of distress of the animals and for which use of appropriate anadsetic involving occompanying pain of distress of the animals, surgery, or tests were conducted involving occompanying pain of distress of the animals and for which use of appropriate anadsetic involving occompanying pain of distress of the animals and for which use of appropriate anadsetic involving occompanying pain of distress of the animals and for which use of appropriate anadsetic involving occompanying pain of distress of the animals and for which appropriation and for which appropriation of the teaching, research, ergering of distress of the animals and for which appropriation on interpretention of the teaching research, ergering of users on the animals and for which appropriation and for which appropriation of the section greater), ergering in of distress on the animals and for which appropriation of the experiments, research, ergering of distress on the animals and for which appropriation and research, ergering of distress on the animals and for which appropriation of the teaching, research, ergering of the animals and for which appropriation of the teaching research, ergering of the animals and for which appropriation of the teaching research, ergering of the animals and for which appropriation of the teaching research, ergering of the animals and for which appropriation of the teaching research, ergering of the animals and for which appropriation of the rescaling into distress on the animals and for which appropriation of the procedures, results, of the animals and for which appropriation of the rescaling into distress on the animals and for which appropriation of the rescaling into distress on the animals and for which appropriation of the rescaling i	ANNUAL RE			Υ	USDA, includ PIERCE COI 6201 WINNE WOODLANE	le ZIP Code) LLEGE TKA AVENUE D HILLS, CA 91371	LITY (Name and Addro	ess, as registered with	
Animals Coverd By The Animals Coverd By The 	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
Image Image <th< td=""><td>Animals Covered By The Animal</td><td>Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such</td><td>Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of</td><td colspan="2">upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were</td><td>experiments, research, surgery conducted involving accompar- the animals and for which the anesthetic, analgesic, or tranqu- have adversely affected the pr- interpretation of the teaching, surgery, or tests. (An explanat producing pain or distress on t reasons such drugs were not ut</td><td colspan="2">periments, research, surgery, or tests were onducted involving accompanying pain or distress to e animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would use adversely affected the procedures, results, or terpretation of the teaching, research, experiments, rgery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the asons such drugs were not used must be attached to</td></th<>	Animals Covered By The Animal	Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such	Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of	upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		experiments, research, surgery conducted involving accompar- the animals and for which the anesthetic, analgesic, or tranqu- have adversely affected the pr- interpretation of the teaching, surgery, or tests. (An explanat producing pain or distress on t reasons such drugs were not ut	periments, research, surgery, or tests were onducted involving accompanying pain or distress to e animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would use adversely affected the procedures, results, or terpretation of the teaching, research, experiments, rgery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the asons such drugs were not used must be attached to		
Action Guine PigsIndextication GammaIndextication GammaIndextication Gamma6 Guine Pigs0000007 Hansters00000008 Aabits010000009 Anon Pinaes0000000010 Steep00000000010 Pigs00000000010 Pinsie Horse000000000Donkey / Buro / Asimo000000000Donkey Guan0000000000Donkey Guan00000000000Donkey Guan000000000000Donkey Guan000	4 Dogs	0	7	22		0		29	
ProcessionProcessionProcessionProcession7 Hansters000008 Rabbits010019 Non-Human Primates0000010 Sheep022002211 Pigs0100112 Other Animals0970097Domestic Horse00000Domestic Goat03003	5 Cats	0	3	12		0		15	
RabitsIIIII8 Rabits0100119 Non-Human Primates00000010 Sheep0220002211 Pigs01001112 Other Animals09700097Domesic Horse000000Domesic Goat030003	6 Guinea Pigs	0	0	0		0		0	
And 9 Non-Huma PrimatesImage: Construction of the constru	7 Hamsters	0	0	0		0		0	
Index and IndexIndex IndexIndex IndexIndex Index10 Sheep022002211 Pigs0100112 Other Animals0970097Domestic Horse00000Donkey / Burro / Ass03003Domestic Goat0770077	8 Rabbits	0	1	0		0		1	
I Pigs0100112 Other Animals0970097Domestic Horse000000Donkey / Burro / Ass030030Domestic Goat07700770	9 Non-Human Primates	0	0	0		0		0	
Image: Section of the section of th	10 Sheep	0	22	0		0		22	
And the second	11 Pigs	0	1	0		0		1	
And the second	12 Other Animals	0	97	0		0		97	
Domestic Goat 0 77 0 0 77	Domestic Horse	0	0	0		0		0	
	Donkey / Burro / Ass	0	3	0		0		3	
Cattle / Cow / Ox / Watusi 0 17 0 0 17	Domestic Goat	0	77	0		0		77	
	Cattle / Cow / Ox / Watusi	0	0		0		17		

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Nov-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 91-R-0018 er: 1023			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) PIERCE COLLEGE 9401 FARWEST DRIVE S.W. LAKEWOOD, WA 98498 Telephone: 2539646665								ess, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, curranzy, or tests. (An exploration of the procedures)		TOTAL NUMBER OF	
4 Dogs	0	0	24		0			24	
5 Cats	0	0	12		0			12	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	5	0		0			5	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0					0	

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 08-Dec-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 54-R-0003 er: 278			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered w USDA, include ZIP Code) PIERPONT COMMUNITY TECHNICAL COLLEGE 1201 LOCUST AVENUE FAIRMONT, WV 26554 Telephone: 304-367-4763								ss, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane: have inte surg proo	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, current or tester. (An expendition of the procedures)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	4		0			4	
5 Cats	0	0	2		0			2	
6 Guinea Pigs	5	0	0		0			0	
7 Hamsters	6	0	0		0			0	
8 Rabbits	7	0	0		0			0	
9 Non-Human Primates	0	0	0 0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0					0	
12 Other Animals	0	0 0						0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 20-Dec-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036					
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 86-R-0033 er: 15053		
ANNUAL RE	Ϋ́Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) PIMA COMMUNITY COLLEGE- EAST CAMPUS 8181 EAST IRVINGTON ROAD TUCSON, AZ 85709 Telephone: 5202067619						
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional i	sheet	ts, if necessary, or use APHIS FORM 70	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expe cond the anes have inte surg proo	Number of animals upon which teaching, periments, research, surgery, or tests were inducted involving accompanying pain or distress e animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would we adversely affected the procedures, results, or terpretation of the teaching, research, experiment rgery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the asons such drugs were not used must be attached is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	13	22		0			35
5 Cats	0	13	4		0			17
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	0	0	0		0			0
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	0	0		0			0
11 Pigs	0	22	0		0			22
12 Other Animals	0	8	0		0			8
Norway rat / lab rat (common research/pet variety)	0	8	0		0			8

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 06-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching 0579-0036 OMB APPROVED 0579-0036 OMB AP								
This report is required by law to cease and desist and to be s			lations can re	esult in an order		Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021	
	DEPARTMENT OF A IT HEALTH INSPEC		MAL	REGISTRAT		UMBER: 86-R-0042 29220			
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Pima Medical Institute 40 N. Swan Road, Suite 100 TUCSON, AZ 85711 Telephone: 602-265-7462				
REPORT OF ANIMALS USI A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		E. Num experim conduct the anim anesthe have ad interpre surgery produci reasons	Number of animals upon which teaching, eriments, research, surgery, or tests were ducted involving accompanying pain or distress to animals and for which the use of appropriate sthetic, analgesic, or tranquilizing drugs would e adversely affected the procedures, results, or repretation of the teaching, research, experiments, gery, or tests. (An explanation of the procedures ducing pain or distress on these animals and the sons such drugs were not used must be attached to report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	325	117		0			442	
5 Cats	0	178	95		0			273	
6 Guinea Pigs	0	8	0		0			8	
7 Hamsters	0	5	0		0			5	
8 Rabbits	0	21	34		0			55	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	6	0		0			6	
11 Pigs	0	2	0		0			2	
12 Other Animals	0	97	49		0			146	
Domestic Goat	0	25	0		0			25	
Cattle / Cow / Ox / Watusi	0	18	17		0			35	
Domestic Horse	0	49	32		0			81	
Chinchilla	0	2	0		0			2	
Degu	0	3	0		0			3	

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 14-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036
This report is required by law to cease and desist and to be s			lations can re	esult in an order		Interagency Report Control No. 0180-DOA-AN	F	Fiscal Year: 2021
UNITED STATES I AND PLAN	MAL	REGISTRATION NUMBER: 86-R-0042 Custoner Number: 329220						
CONTINU REPORT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Pima Medical Institute 40 N. Swan Road, Suite 100 TUCSON, AZ 85711 Telephone: 602-265-7462						
REPORT OF ANIMALS US	ED BY OR UNDER CONT	ROL OF RESEARCH FA	.CILITY(At	ttach additional	sheets,	s, if necessary, or use APHIS FORM 70	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	yupon wł kwich teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. upon wł teaching surgery, distress and for anesthet		ich experiments, c , research, c or tests were t d involving a nying pain or h o the animals i vhich appropriate c, analgesic, or p		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)

used

this report.)

ASSURANCE STATEMENTS

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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Date Signed 14-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be	v (7 U.S.C. 2143). Failure to subject to penalties as provid	report according to the reguled for in Section 2150.	lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 14-R-0004 er: 101			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Ϋ́Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) PINE ACRES RABBITRY/FARM 299 E. MAIN STREET NORTON, MA 02766 Telephone: 5084000655					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, wranger, or tota, (A, a exploration of the procedures)		TOTAL NUMBER OF		
4 Dogs	0	0	28		0			28	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	76	0	125		0			125	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	68		0			68	
12 Other Animals	0	0 0						0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of nformation unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time equired to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 23-R-0181 er: 332427			
ANNUAL RE	PORT OF RESE. (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) PITTSBURGH CAREER INSTITUTE 421 SEVENTH AVE PITTSBURGH, PA 15219 Telephone: 4122812600					
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whice teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		e distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	78	29		0			107	
5 Cats	0	16	6		0			22	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

information unless it displays	s a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	umber for the sponse, inclu-	nis information c uding the time for	collector rev	viewing instructions, searching	0	MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 21-F-0002 er: 333883				
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) PLUM ISLAND ANIMAL DISEASE CENTER PO BOX 848 GREENPORT, NY 11944 Telephone: 6313233207				
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	3		0			3		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	26		2			28		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	3		3			6		
11 Pigs	0	0	35		5			40		
12 Other Animals	0	0	13		4			17		
Cattle / Cow / Ox / Watusi	0	0	13		4			17		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 23-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 63-R-0123 Customer Number: 329240						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUA USDA, includa PLURIS RESI PO BOX 6819 FRANKLIN, 1 Telephone: 61	le ZI EAR 967 TN 3	CH INC 7068	e and Addre	ess, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	29		0			29		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	16		0			16		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	55		0			55		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of normation unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time equired to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 23-R-0141 er: 373				
ANNUAL RE	PORT OF RESE. (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Pocono Rabbit Farm & Laboratory Inc. 306 DUTCH HILL RD CANADENSIS, PA 18325 Telephone: 8006226381						
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whice teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		e distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	12	100	0		0			100		
7 Hamsters	0	0	0		0			0		
8 Rabbits	188	3049	0		0			3049		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	26	18	0		0			18		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 07-Jan-2022

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching 0579-0036 of the data needed, and completing and reviewing the collection of information.									
This report is required by law (7 to cease and desist and to be subj			lations can re	esult in an order	r	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
UNITED STATES DEI AND PLANT	PARTMENT OF A HEALTH INSPEC		MAL	REGISTRAT		NUMBER: 92-R-0022 1055			
ANNUAL REPO	ORT OF RESEA (TYPE OR PRINT	ARCH FACILIT	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) PORTLAND COMMUNITY COLLEGE PO BOX 19000/12000 SW 49TH AVE PORTLAND, OR 97219 Telephone: 9717227461					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. B.	3.	С.	upon which	on which experiments, experiments, re		mber of animals upon which teachin ments, research, surgery, or tests we	ere	F.	
	Number of animals being which teaching, research, surgery		teaching, re surgery, or	tests were the animals and for which the use of appr		opriate	TOTAL NUMBER OF		
Animal fo	or use in teaching, esting, experiments,	experiments, or tests were conducted involving no		ing pain or	have a	etic, analgesic, or tranquilizing drug dversely affected the procedures, re- retation of the teaching, research, ex-	sults, or	ANIMALS	
re	esearch, or surgery but tot yet used for such purposes	pain, distress, or use of pain-relieving drugs.	anesthetic, analgesic, or tranquilizing drugs were		surger produc reason	ery, or tests. (An explanation of the procedures lucing pain or distress on these animals and the ons such drugs were not used must be attached to report.)		(Cols. C + D + E)	
4 Dogs 0		10	0		0		10		
5 Cats 2		10	0		0			10	
6 Guinea Pigs 0		0	0		0			0	
7 Hamsters 0		0	0		0			0	
8 Rabbits 9		0	0		0			0	
9 Non-Human Primates 0		0	0		0			0	
10 Sheep 17	7	16	0		0			16	
11 Pigs 0		0	0		0			0	
12 Other Animals 16	6	7	0		0			7	
Domestic Horse 0		2	0		0			2	
Cattle / Cow / Ox / Watusi 7		5	0		0			5	
Domestic Goat 3		0	0		0			0	
Llama 1		0	0		0			0	
Alpaca 5		0	0		0			0	

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

information unless it displays	quired to respond to, a collection of ollection is 0579-0036. The time or reviewing instructions, searching information.	OM	MB APPROVED 0579-0036				
This report is required by law to cease and desist and to be s			ations can re	esult in an order	Interagency Report Control No. 0180-DOA-AN	F	Fiscal Year: 2021
UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE Custoner Number: 1055							
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) PORTLAND COMMUNITY COLLEGE PO BOX 19000/12000 SW 49TH AVE PORTLAND, OR 97219 Telephone: 9717227461			
REPORT OF ANIMALS USE	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(At	ttach additional	sheets, if necessary, or use APHIS FORM 7	'023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re surgery, or conducted i accompany distress to t and for whi anesthetic,	h experiments, esearch, tests were involving ying pain or the animals ich appropriate analgesic, or	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or dist the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs wor have adversely affected the procedures, results, interpretation of the teaching, research, experim surgery, or tests. (An explanation of the procedu producing pain or distress on these animals and reasons such drugs were not used must be attacl		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)

used.

this report.)

ASSURANCE STATEMENTS

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (LO.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL		REGISTRATION NUMBER: 92-R-0007 Customer Number: 1050					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	ARCH FACILIT	Y	USDA, includ	le ZI STAT 51 OR 1	TE UNIVERSITY - R G S 97207	e and Addre	ess, as registered with		
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress t the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 20-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 55-R-0142 er: 327788				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) POWERED RESEARCH L L C PO BOX 14650 DURHAM, NC 27709 Telephone: 9194332227						
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	esearch, r tests were involving ying pain or the animals	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	116	0	1274		0			1274		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	241		0			241		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 11-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be	v (7 U.S.C. 2143). Failure to subject to penalties as provid	report according to the reguled for in Section 2150.	lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 74-R-0215 Customer Number: 1603						
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Prairie View A & M University Office of Research P.O. Box 519, Mail Stop 2800 > PRAIRIE VIEW, TX 77446 Telephone: 936-261-1587				
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		e distress to oriate would ilts, or eriments, cedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	1	6		0			7		
Domestic Goat	0	1	6		0			7		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							0	MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 84-R-0072 Customer Number: 26904					
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as r USDA, include ZIP Code) PRE-CLINICAL RESEARCH SERVICES INC. P. O. Box 1417 FORT COLLINS, CO 80522 Telephone: 9702321122							ess, as registered with		
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whice teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Jan-2022

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL		REGISTRATION NUMBER: 91-R-0077 Customer Number: 507279					
ANNUAL RE	F ERS RESEARCH FACILITY (Name P Code) FRESPONSE AND EMERGENCY PROC urt Nw (A 98335 08710		ss, as registered with							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	exp con the ane hav inte surg proo reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	12		0			12		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 11-Jan-2022

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 58-R-0162 Customer Number: 501700						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) PRIMATE PRODUCTS LLC 34200 DOCTORS HAMMOCK RD IMMOKALEE, FL 34142 Telephone: 2398672020						
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distres the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiment surgery, or tests. (An explanation of the procedure: producing pain or distress on these animals and the reasons such drugs were not used must be attached this report.)		e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	399	488		0			887		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
		lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
		MAL							
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) PRINCETON UNIVERSITY P O BOX 36 PRINCETON, NJ 08544 Telephone:				
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		expe cond the a anes have inter surga prod reaso	experiments, research, surgery, or tests were conducted involving accompanying pain or dist the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs wou have adversely affected the procedures, results, interpretation of the teaching, research, experim surgery, or tests. (An explanation of the procedur producing pain or distress on these animals and reasons such drugs were not used must be attach		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
0	0	0		0			0		
0	0	0		0			0		
0	3	0		0			3		
0	0	0		0			0		
0	0	0		0			0		
0	0	17		0			17		
0	0	0		0			0		
0	0	0		0			0		
444	164	5		0			169		
2	92	0		0			92		
442	51	5		0			56		
0	21	0		0			21		
	a valid OMB control numb rmation collection is estima ag and maintaining the data (7 U.S.C. 2143). Failure to subject to penalties as provid DEPARTMENT OF A THEALTH INSPEC PORT OF RESE <i>(TYPE OR PRINT)</i> B . Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	a valid OMB control number. The valid OMB control r rmation collection is estimated to average 2 hours per re ag and maintaining the data needed, and completing and (7 U.S.C. 2143). Failure to report according to the regu- subject to penalties as provided for in Section 2150. DEPARTMENT OF AGRICULTURE ANIL THEALTH INSPECTION SERVICE PORT OF RESEARCH FACILIT (TYPE OR PRINT) ED BY OR UNDER CONTROL OF RESEARCH FA B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	a valid OMB control number. The valid OMB control number for the tranation collection is estimated to average 2 hours per response, inclused of the regulations can rabifect to penalties as provided for in Section 2150. DEPARTMENT OF AGRICULTURE ANIMAL IT HEALTH INSPECTION SERVICE PORT OF RESEARCH FACILITY (<i>TYPE OR PRINT</i>) ED BY OR UNDER CONTROL OF RESEARCH FACILITY (<i>TYPE OR PRINT</i>) ED BY OR UNDER CONTROL OF RESEARCH FACILITY (<i>TYPE OR PRINT</i>) B. C. D. Number of animals upon which teaching, research, or surgery but not yet used for such purposes D. Number of animals being present of such purpose D. Number of animals upon which teaching, research, or surgery but not yet used for such purpose D. Number of animals upon which teaching and restrict involving no pain, distress, or use of pain-relieving drugs. D. Number of animals upon which teaching are research, or surgery but not yet used for such purpose D. Number of animals upon which teaching are research or surgery but not yet used for such purpose D. Number of animals upon which teaching are relieving drugs. D. Number of animals upon which teaching are relieved to a state of a pain-relieving drugs. D. Number of animals upon which teaching are relieved to a state of a	a valid OMB control number. The valid OMB control number for this information or mation collection is estimated to average 2 hours per response, including the time f g and maintaining the data needed, and completing and reviewing the collection of (7 U.S.C. 2143). Failure to report according to the regulations can result in an order abelef to penalties as provided for in Section 2150. DEPARTMENT OF AGRICULTURE ANIMAL IT HEALTH INSPECTION SERVICE REGISTRA Customer N PORT OF RESEARCH FACILITY (<i>TYPE OR PRINT</i>) REGISTRA Customer N ED BY OR UNDER CONTROL OF RESEARCH FACILITY (<i>Attach additional</i> princetro) relephone: D. Number of animals being bred, conditioned, or held for use in teaching, research, or use of pain-relieving drugs. D. Number of animals upon which experiments, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. D. Number of animals upon which appropriate and for which appropr	a valid OMB control number. The valid OMB control number for this information collection is estimated to average 2 hours per response, including the time for reverse and maintaining the data needed, and completing and reviewing the collection of information collection of an information collection of a simulation collection of information collection of information collection of information collection of a simulation collection of information collection is estimated to average 2 hours per response, including the time for new formation collection of information collection is estimated to average 2 hours per response, including the time for new formation collection is estimated to average 2 hours per response, including the time for new formation collection is estimated to average 2 hours per response, including the time formation collection is estimated to average 2 hours per represented	a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time mation collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching and maintaining the data needed, and completing and reviewing the collection of information. (7) U.S.C. 2143), Failure to report according to the regulations can result in an order ubject to penalties as provided for in Section 2150. Interagency Report Control No. 0180-DOA-AN DEPARTMENT OF AGRICULTURE ANIMAL TH HALTH INSPECTION SERVICE REGISTRATION NUMBER: 22.8-0022 Customer Number: 175 DEPARTMENT OF RESEARCH FACILITY <i>(TYPE OR PRINT)</i> REGISTRATION NUMBER: 22.8-0022 Customer Number: 175 DEPARTMENT OF RESEARCH FACILITY <i>(TYPE OR PRINT)</i> REGISTRATION NUMBER: 22.8-0022 Customer Number: 175 DEPARTOR RESEARCH FACILITY <i>(TYPE OR PRINT)</i> DEPARTOR NUMPER SEESARCH FACILITY (Name USDA, Include ZIP Code) PRINCETON UNIVERSITY <i>(TYPE OR PRINT)</i> D. Number of animals being <i>information inferessary, or use APHIS FORM 7</i> B. C. Number of animals upon which teaching, research, segmentions, indice accompany ing ann or distress, or use of pain-relieving drugs. D. Number of animals upon which teaching necessary, or use APHIS FORM 7 B. C. Number of animals upon which teaching necessary, or use APHIS FORM 7 B. C. Number of animals upon which teaching necessary, or use APHIS FORM 7 D. Number of animals upon which	a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time metanocollection of information. TO US.C. 2143). Failure to report according to the regulations can result in an order ubject to penalties as provided for in Section 2150. EPERATMENT OF AGRICULTURE ANIMAL THEALTH INSPECTION SERVICE THEALTH INSPECTION SERVICE TO PRESEARCH FACILITY (Name and Addree USDA, include ZIP Code) PORT OF RESEARCH FACILITY (NTUPE OR PRINT) ED BY OR UNDER CONTROL OF RESEARCH FACILITY (Name and Addree USDA, include ZIP Code) Rundber of minuals being with teaching, research, structure, or tasks to metanocollection in the structure, or tasks to metanocollection in the structure of minuals being with teaching, research, structure, or tasks were conducted involving accompanying pain or distress to the structure, research, structure, or tasks were used. Number of minuals being with teaching is research, structure, or tasks were conducted involving accompanying pain or distress of used pain-relieving drug. C. Number of animals being write is research, structure, or tasks were used. D. Number of animals being write is research, structure, or tasks were used. D. Number of animals being write is research, structure, or tasks were used for such pain-relieving drug. D. Number of animals being write is research, structure, or tasks were used. D. On O O O O O O O O O O O O O O		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

information unless it display required to complete this in	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
	w (7 U.S.C. 2143). Failure to e subject to penalties as provid		lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 74-R-0167 Customer Number: 1821					
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Probetex Inc. 16419 Pemcanyon SAN ANTONIO, TX 78240 Telephone:							ess, as registered with		
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tester (An explanation of the procedures)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	4		0			4	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Oct-2021

information unless it displays	ed to respond to, a collection of ction is 0579-0036. The time viewing instructions, searching mation.	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 22-R-0143 er: 44516				
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address USDA, include ZIP Code) PRODUCT SAFETY LABS 2394 U S HIGHWAY 130 DAYTON, NJ 08810 Telephone: 7324385100								ss, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	2991		340	3		6394		
7 Hamsters	0	35	0		0			35		
8 Rabbits	0	1735	764		0			2499		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 23-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 34-R-0009 er: 116			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as regist USDA, include ZIP Code) PROVIDENCE HOSPITAL 28000 DEQUINORE WARREN, MI 48092 Telephone: (248) 849-3997								ss, as registered with	
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	3		0			3	
12 Other Animals	0	0	0 0					0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 16-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching 0579-003 existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 32-R-0007 Customer Number: 779					
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) PURDUE UNIVERSITY 410 SOUTH UNIVERSITY ST WEST LAFAYETTE, IN 47907 Telephone: 765-494-9163				
	1					if necessary, or use APHIS FORM 7 mber of animals upon which teachin		I _	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		experi- condu- the an anesth have a interp surger produ- reason	eriments, research, surgery, or tests were ducted involving accompanying pain or distress to animals and for which the use of appropriate sthetic, analgesic, or tranquilizing drugs would e adversely affected the procedures, results, or rpretation of the teaching, research, experiments, gery, or tests. (An explanation of the procedures ducing pain or distress on these animals and the sons such drugs were not used must be attached to report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	235		0			235	
5 Cats	0	0	127		0		127		
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	24		0			24	
8 Rabbits	0	0	68		0			68	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	232		0			232	
11 Pigs	0	0	329		0			329	
12 Other Animals	0	262	159		0			421	
Cattle / Cow / Ox / Watusi	0	0	17		0			17	
Domestic Horse	0	0	64		0			64	
Chinchilla	0	0	48		0			48	
Mongolian gerbil	0	0	30		0			30	
Deer mouse	0	4	0		0			4	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 12-Nov-2021

According to the Paperwork I information unless it displays required to complete this info existing data sources, gatherin	me	OMB APPROVED 0579-0036						
This report is required by law to cease and desist and to be s			lations can r	esult in an order	Interagency Report (No. 0180-DOA-		Fiscal Year: 2021	
	DEPARTMENT OF A IT HEALTH INSPEC		MAL	REGISTRA' Custoner Nu	TION NUMBER: 32-R-0007 mber: 779			
	ATION SHEET	H FACILITY		USDA, inclua PURDUE UN 410 SOUTH	IVERSITY UNIVERSITY ST YETTE, IN 47907	ILITY (Name and Ada	lress, as registered with	
REPORT OF ANIMALS US	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(A	ttach additional	sheets, if necessary, or use AP	HIS FORM 7023A.)		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		conducted involving accomp- the animals and for which the anesthetic, analgesic, or tranc- have adversely affected the p- interpretation of the teaching surgery, or tests. (An explana producing pain or distress on	speriments, research, surgery, or tests were onducted involving accompanying pain or distress to e animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would ave adversely affected the procedures, results, or terpretation of the teaching, research, experiments, urgery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the asons such drugs were not used must be attached to		
Raccoon	0	12	0		0	12		
White-footed mouse	0	6	0		0		6	
Meadow vole	0	1	0		0		1	
Eastern chipmunk	0	25	0		0		25	
American red squirrel	0	17	0		0		17	
Big brown bat	0	130	0		0		130	
Red bat	0	20	0		0		20	
Brown long-eared bat	0	2	0		0		2	
American marten	0	2	0		0		2	
Eastern cottontail rabbit	0	5	0		0		5	
Black-shouldered opossum	0	1	0		0		1	
Eastern grey squirrel	0	4	0		0		4	
White-tailed deer	0	33	0		0		33	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (LO.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 12-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC	GRICULTURE AND CTION SERVICE	MAL	REGISTRAT		N NUMBER: 31-R-0114 er: 9423			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) (TYPE OR PR								ess, as registered with	
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whice teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	Number of animals on which experiments, ching, research, gery, or tests were ducted involving ompanying pain or ress to the animals for which appropriate sthetic, analgesic, or equilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	17	0	94		0			94	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	19		0			19	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	1	0	20		0			20	
11 Pigs	0	0	14		0			14	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 10-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order	esult in an order Interagency Report Control No. 0180-DOA-AN Fiscal Year: 20				
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 95-R-0003 Customer Number: 18					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) QUEENS MEDICAL CENTER 1301 PUNCHBOWL STREET HONOLULU, HI 96813 Telephone: 8086914106					
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	esearch, tests were involving ving pain or the animals ich appropriate analgesic, or ng drugs were	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments,		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 12-Jan-2022

information unless it display required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 91-R-0066 Customer Number: 45412					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) R & R RESEARCH L L C 20004 Happy Valley Road STANWOOD, WA 98292 Telephone: 3606527157						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whice teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	nts, experiments, research, surgery, or tests were conducted involving accompanying pain or dist the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs wou have adversely affected the procedures, results, interpretation of the teaching, research, experim us surgery, or tests. (An explanation of the procedu producing pain or distress on these animals and		e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	190	0		0			190	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	39		0			39	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 31-Jan-2022

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							0	MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL		REGISTRATION NUMBER: 22-R-0157 Customer Number: 330314				
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) R B H S NEW JERSEY MEDICAL SCHOOL 675 HOES LANE WEST, ROOM 115 PISCATAWAY, NJ 08854 Telephone: (732) 235-6081				ess, as registered with	
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con- the ane: have inte surg proo	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		134			134	
8 Rabbits	0	6	59		61			126	
9 Non-Human Primates	0	0	6		0			6	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	18	15	3		0			18	
Mongolian gerbil	18	15	3		0			18	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 10-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							MB APPROVED 0579-0036
This report is required by law to cease and desist and to be			lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		NUMBER: 41-R-0071 r: 29771		
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) R&D SYSTEMS INC 614 MC KINLEY PLACE NE MINNEAPOLIS, MN 55413 Telephone: 6512584726				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A	ttach additional .	sheets	s, if necessary, or use APHIS FORM 7	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expe cond the a anes have inter surg prod rease	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress t the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0			0
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	0	0	0		0			0
9 Non-Human Primates	0	0	0		0			0
10 Sheep	3	15	0		0			15
11 Pigs	0	0	0		0			0
12 Other Animals	68	173	0		0			173
Domestic Goat	67	173	0		0			173
Llama	1	0	0		0			0

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 31-Jan-2022

information unless it displays	s a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	umber for the sponse, inclusion	is information c uding the time for	ollec or rev	viewing instructions, searching	0	MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 82-G-0001 Customer Number: 334116						
ANNUAL RE	Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) RANGE SHEEP PRODUCTIONS EFFICIENCY RESEARCH 19 Office Loop DUBOIS, ID 83423 Telephone: 2083745306								
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg proo	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress t the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	2341	1195	0		0			1195		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	1520	0		0			1520		
ARS FISH	0	1520	0		0			1520		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 55-R-0155 Customer Number: 600326						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUA USDA, include Raven Medica 4400 Bragg B Fayetteville, N Telephone: 93	le ZII al Inc Blvd. NC 2	c. 18303	e and Addre	ess, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery creats. (An explanation of the procedures)				
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	83	0		0			83		
12 Other Animals	0	0	0 0					0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

information unless it display required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 41-R-0086 er: 332789				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) RECOMBINETICS INC 3388 Mike Collins Dr Suite 1 EAGAN, MN 55121 Telephone: 6127272000						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tests. (An explanation of the procedures		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	29	373		0			402		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 24-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 84-R-0080 er: 323116				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Red Beast Enterprises Inc. P. O. Box 270525 FORT COLLINS, CO 80527 Telephone: 9702211090						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	r tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, currency or teste (An avalantion of the procedures		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	11	63	16		0			79		
5 Cats	39	32	0		0			32		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	67	0		0			67		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 03-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 21-R-0018 er: 292			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) REGENERON PHARMACEUTICALS INC 777 OLD SAW MILL RIVER ROAD TARRYTOWN, NY 10591 Telephone: 9148477400					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures)		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	98		0			98	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Oct-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 82-R-0002 Customer Number: 1079					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) REGENTS OF THE UNIVERSITY OF IDAHO 875 Perimeter Dr. MS 3010 MOSCOW, ID 83844 Telephone: 2088856689					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tests. (An explanation of the procedures)		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	2	0		0			2	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	8		0			8	
12 Other Animals	0	0 0						0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 16-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								OMB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 31-R-0116 er: 18920			
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) RESEARCH INSTITUTE AT NATIONWIDE CHILDRENS HOSPITA 700 CHILDRENS DRIVE COLUMBUS, OH 43205 Telephone: 6147222703							
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional	sheet	ts, if necessary, or use APHIS FORM 7(023A.)		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expected constitutes aness have inter surg proor reas	. Number of animals upon which teaching, speriments, research, surgery, or tests were onducted involving accompanying pain or distress e animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would ave adversely affected the procedures, results, or terpretation of the teaching, research, experiments irgery, or tests. (An explanation of the procedures roducing pain or distress on these animals and the asons such drugs were not used must be attached is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	21		0			21	
9 Non-Human Primates	0	0	5		0			5	
10 Sheep	29	0	102		0			102	
11 Pigs	7	0	175		0			175	
12 Other Animals	0	2	108		0			110	
Domestic Goat	0	0	12		0			12	
Chinchilla	96		0			98			

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 15-Nov-2021

information unless it displays	ed to respond to, a collection of ction is 0579-0036. The time viewing instructions, searching rmation.	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL	REGISTRAT Customer Nu		N NUMBER: 15-R-0010 er: 261				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	ARCH FACILIT	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) RHODE ISLAND COLLEGE 600 MT. PLEASANT AVE; OFFICE OF RSCH & GRANT ADM PROVIDENCE, RI 02908 Telephone: 4014568480							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments,		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 10-Jan-2022

information unless it displays	ed to respond to, a collection of ction is 0579-0036. The time viewing instructions, searching rmation.	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 15-R-0002 Customer Number: 266					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) RHODE ISLAND HOSPITAL MIDDLE HOUSE 4TH AND 5TH PROVIDENCE, RI 02903 Telephone: 4014447892					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	77	0		0			77	
7 Hamsters	0	0	0		0			0	
8 Rabbits	72	42	208		0			250	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	36		0			36	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Oct-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 41-R-0042 Customer Number: 550					
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) RIDGEWATER COLLEGE 2101 15TH AVE N W WILLMAR, MN 56201 Telephone: 3202205218								ss, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, current, or tasts. (An explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	6	0		0			6	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0					0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 14-Oct-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 35-R-0004 Customer Number: 769						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUA USDA, includa RIDGLAN FA PO BOX 318 MOUNT HOR Telephone: 60	le ZL ARM: REB,	S INC WI 53572	e and Addre	ss, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, current, or tasts. (An explanation of the procedures					
4 Dogs	0	828	12		0			840		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0 0					0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 23-Nov-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036								
This report is required by law to cease and desist and to be			lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 73-R-0118 er: 329867				
ANNUAL RE	PORT OF RESE. (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) RINER & ASSOCIATES INC. Route 1 Box 435 NOWATA, OK 74048 Telephone: 9183977888						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, currenty, or tacte (An explanation of the procedures		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	20	179	0		0			179		
5 Cats	7	77	0		0			77		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Nov-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 21-R-0212 er: 6177				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Riverhead Foundation for Marine Research & Preservation 467 E Main Street RIVERHEAD, NY 11901 Telephone: 631-369-9840 Ext 106						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 21-Oct-2021

information unless it displays	s a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	umber for the sponse, inclusion	is information c uding the time for	colle or re	viewing instructions, searching	0	MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 21-G-0001 Customer Number: 335790						
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) ROBERT HOLLEY CENTER 538 Tower Road ITHACA, NY 14853 Telephone: 6072552452								
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte sur pro rea	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to he animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	16	64		0			80		
ARS BIRDS	0	16	64		0			80		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Oct-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036
This report is required by law to cease and desist and to be			lations can re	esult in an order	r	Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRA' Customer Nu		N NUMBER: 93-R-0283 er: 1115		
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) ROBERT SARGEANT 655 ASH STREET RAMONA, CA 92065 Telephone: 7607895550				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY (At	ttach additional	shee	ts, if necessary, or use APHIS FORM 7(023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg pro reas	. Number of animals upon which teaching, speriments, research, surgery, or tests were onducted involving accompanying pain or distress to tee animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would ave adversely affected the procedures, results, or therpretation of the teaching, research, experiments, urgery, or tests. (An explanation of the procedures roducing pain or distress on these animals and the assons such drugs were not used must be attached to tis report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0			0
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	71	1530	0		0			1530
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	1	0		0			1
11 Pigs	0	0	0		0			0
12 Other Animals	23	33	0		0			33
Domestic Goat	18	32	0		0			32
Alpaca	5 1 0				0			1

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 12-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 41-R-0072 er: 29637				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		de ZL R CO SE R, MN	FERS RESEARCH FACILITY (Name P Code) MMUNITY AND TECHNICAL COLLEC N 55904 803171		ss, as registered with				
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, currency create (An explanation of the procedures		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 02-Nov-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 21-R-0140 er: 398			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) ROCHESTER GENERAL HOSPITAL 1425 PORTLAND AVENUE ROCHESTER, NY 14621 Telephone: 585-922-4309					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were		conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures)		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	14		0			14	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	12		0			12	
12 Other Animals	0	0	0		0 0		0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 27-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 21-R-0226 Customer Number: 307						
ANNUAL RE	Ϋ́Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) ROCKEFELLER UNIVERSITY 1230 YORK AVENUE BOX 2 NEW YORK NEW YORK, NY 10065 Telephone: 2123278566								
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg pro reas	. Number of animals upon which teaching, speriments, research, surgery, or tests were onducted involving accompanying pain or distress to te animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would ave adversely affected the procedures, results, or iterpretation of the teaching, research, experiments, argery, or tests. (An explanation of the procedures roducing pain or distress on these animals and the assons such drugs were not used must be attached to tis report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	2	0		0			2		
7 Hamsters	0	0	239		0			239		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	3	79		0			82		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	126	0		0			126		
Mongolian gerbil	0	126	0		0			126		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 84-R-0065 er: 18462				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) ROCKY MOUNTAIN BIO LABS P O BOX 519 CRESTED BUTTE, CO 81224 Telephone: 9703497231						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tasts. (An explanation of the procedures		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0 0						0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 24-Nov-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 33-R-0027 er: 585				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) ROSALIND FRANKLIN UNIVERSITY OF MEDICINE & SCIENCE 3333 GREEN BAY ROAD NORTH CHICAGO, IL 60064 Telephone: 8473783251						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were		experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tasts. (A a explanation of the procedures)		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	72		0			72		
12 Other Animals	0	0	0		0 0		0			

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Nov-2021

information unless it display required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 31-R-0133 er: 501751				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) ROSS COLLEGE NORTH CANTON 4300 MUNSON STREET NW CANTON, OH 44718 Telephone: 3308803353						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropria anesthetic, analgesic, or tranquilizing drugs were used.		experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, catests. (A a exploration of the procedures)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0 0 0					0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 04-Oct-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 21-R-0199 Customer Number: 537						
ANNUAL RE	ΥY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) ROSWELL PARK COMPREHENSIVE CANCER INSTITUTE ELM & CARLTON STREETS BUFFALO, NY 14263 Telephone: 7168455914								
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg pro reas	Number of animals upon which teaching, periments, research, surgery, or tests were noducted involving accompanying pain or distress to e animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would we adversely affected the procedures, results, or terpretation of the teaching, research, experiments, rgery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the asons such drugs were not used must be attached to is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	5		0			5		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	20	0	48		0			48		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	10		0			10		
12 Other Animals	0	0	170		0			170		
Groundhog / Woodchuck	0	0	170		0			170		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 09-Nov-2021

information unless it displays	ed to respond to, a collection of tion is 0579-0036. The time viewing instructions, searching mation.	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 31-R-0132 er: 334240				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) ROYAL CANIN U S A INC 6574 STATE ROUTE 503 NORTH LEWISBURG, OH 45338 Telephone: 9379627366						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whice teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	esearch, tests were involving ying pain or the animals ich appropriate analgesic, or ng drugs were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery tasts: (A explanation of the procedures		TOTAL NUMBER OF			
4 Dogs	27	179	0		0			179		
5 Cats	63	175	0		0			175		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0			0		0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 15-Nov-2021

information unless it display required to complete this in	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
	w (7 U.S.C. 2143). Failure to e subject to penalties as provid		lations can r	result in an order	r	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 46-R-0013 er: 502780				
ANNUAL RE	EPORT OF RESE (TYPE OR PRINT		Ϋ́Υ	2. HEADQU, USDA, includ RTI LLC 801 32ND AV BROOKINGS Telephone: (6	de ZI VE S, SD	0 57006	e and Addre	ess, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures)		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		178	3		178		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 26-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 33-R-0022 er: 581			
ANNUAL RE	PORT OF RESE. (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) RUSH UNIVERSITY MEDICAL CENTER 1735 W HARRISON ST MAIL CODE 148 149 COHN RESEARCH BUILDING SUITE 206 br/> CHICAGO, IL 60612 Telephone: 3129423589					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropria anesthetic, analgesic, or tranquilizing drugs were used.		experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tasts: (A a exploration of the procedures)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	2	0	115		0			115	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	59		0			59	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 02-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRA Customer Nu		NUMBER: 22-R-0025 : 177				
ANNUAL RE	PORT OF RESE (TYPE OR PRIN		ΥY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) RUTGERS STATE UNIVERSITY OF N J 675 Hoes Lane West, Rm 115 PISCATAWAY, NJ 08854 Telephone: 732-235-6081						
A.	B.	C.		ttach additional	r	if necessary, or use APHIS FORM 7 unber of animals upon which teachin		F.		
Animals Covered By The Animal Welfare Regulations	Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate		experi- condu- the an anesth have a interp surger produ- reason	riments, research, surgery, or tests were lucted involving accompanying pain or distress to mimals and for which the use of appropriate thetic, analgesic, or tranquilizing drugs would e adversely affected the procedures, results, or pretation of the teaching, research, experiments, ery, or tests. (An explanation of the procedures ucing pain or distress on these animals and the ons such drugs were not used must be attached to report.)		TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0		0			
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	2	0		0			2		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	104	153		301			558		
Mongolian gerbil	0	104	153		0			257		
Oldfield mouse	0	0	0		15			15		
Eastern chipmunk	0	0	0		43			43		
Red fox (includes Silver fox & Cross fox)	0	0	0		2			2		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 10-Nov-2021

information unless it displays	viewing instructions, searching	01	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be s			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021	
	DEPARTMENT OF A IT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL	REGISTRAT Custoner Nur		N NUMBER: 22-R-0025 er: 177			
REPORT OF RESEARCH FACILITY (TYPE OR PRINT) REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach of						2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) RUTGERS STATE UNIVERSITY OF N J 675 Hoes Lane West, Rm 115 PISCATAWAY, NJ 08854 Telephone: 732-235-6081 ttach additional sheets, if necessary, or use APHIS FORM 7023A.)			
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		E. I exp con the ane hav inte surg pro- reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
White-footed mouse	0	0	0		77			77	
House mouse / lab mouse	0	0	0		17			17	
Raccoon	0	0	0		37			37	
Groundhog / Woodchuck	0	0	0		9			9	
Eastern grey squirrel	0	0	0		37			37	
Black-shouldered opossum	0	0	0		11			11	
Striped skunk	0	0	0		13			13	
Northern short-tailed shrew	0	0	0		6			6	
Meadow vole	0	0	0		33			33	
Eastern cottontail rabbit	0	0	0					1	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (LO.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 10-Nov-2021

According to the Paperwork information unless it display required to complete this inf existing data sources, gather	0	MB APPROVED 0579-0036								
This report is required by law to cease and desist and to be			lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 85-R-0027 er: 332092				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Ϋ́Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Ryann Dawn L L C P. O. Box 482 SUNLAND PARK, NM 88063 Telephone: 9155397694						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tasts. (An explanation of the procedures				
4 Dogs	0	0	0		0	-		0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	10		0			10		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 24-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 46-R-0012 Customer Number: 331626						
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) SAB Biotherapeutics Inc. 2301 E. 60th Street N Sioux Falls, SD 57104 Telephone: 6056796987				
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to he animals and for which the use of appropriate inesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the easons such drugs were not used must be attached to his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	370	717	264		0			981		
Cattle / Cow / Ox / Watusi	370	717	264		0			981		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 23-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 93-R-0011 er: 1191			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	USDA, includ	le ZII EARC Blvd, ES, C	CH INSTITUTE OF CHILDRENS HOSP. Mail Stop 77 CA 90027		ss, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments,		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0 0					0	
12 Other Animals	0	0	0 0					0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Dec-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 41-R-0083 er: 328461			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) SAINT JOHNS UNIVERSITY COLLEGEVILLE P O BOX 2000 COLLEGEVILLE, MN 56321 Telephone: 3203633159								ss, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments,		TOTAL NUMBER OF	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0 0						0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 07-Dec-2021

information unless it displays	ed to respond to, a collection of ction is 0579-0036. The time viewing instructions, searching rmation.	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 23-R-0068 er: 344			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) SAINT VINCENT COLLEGE 300 FRASER PURCHASE RD. LATROBE, PA 15650 Telephone: 7248052171								ss, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery creats, (A a explanation of the procedures)		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0 0						0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 16-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 93-R-0066 Customer Number: 1169						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) SALK INSTITUTE FOR BIOLOGICAL STUDIES 10010 N. Torrey Pines Road LA JOLLA, CA 92037 Telephone: 8584534100							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg pro reas	periments, research, surgery, or tests were nducted involving accompanying pain or distress to e animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would ve adversely affected the procedures, results, or repretation of the teaching, research, experiments, repretation of the teaching, research, experiments,		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	5		15			20		
9 Non-Human Primates	50	38	53		0			91		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	62	26	0		0			26		
Naked mole-rat	62	26	0		0			26		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 93-R-0124 er: 1153				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) SAN DIEGO MESA COLLEGE 7250 MESA COLLEGE DRIVE, P-300 SAN DIEGO, CA 92111 Telephone: 6193882838						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or testr. (A a surgery in or fit he procedures)		TOTAL NUMBER OF			
4 Dogs	0	5	50		0			55		
5 Cats	0	12	19		0			31		
6 Guinea Pigs	0	1	0		0			1		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	4		0			4		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0 0 0					0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 12-Oct-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 93-R-0426 er: 1848				
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FAC USDA, include ZIP Code) SAN FRANCISCO STATE UNIVERSITY 469 ADMINISTRATION BUILDING SAN FRANCISCO, CA 94132 Telephone: 4153386986							e and Addre	ess, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, currenty, or tests. (An explanation of the procedures)		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0 0					0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 10-Oct-2021

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
	w (7 U.S.C. 2143). Failure to subject to penalties as provide		lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 46-R-0011 er: 329373				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		USDA, include SANFORD Hi 2301 E. 60th S SIOUX FALL	HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with DA, include ZIP Code) NFORD HEALTH 11 E. 60th Street N 9UX FALLS, SD 57104 ephone: 6053126326						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, curranzy, or tasty. (An explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	4		0			4		
12 Other Animals	0	0	0 0					0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 04-Oct-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 93-R-0263 er: 1121				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	ΥY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) SCANTIBODIES LABORATORIES INC. 9336 Abraham Way SANTEE, CA 92071 Telephone: 6192589300							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg proo reas	Number of animals upon which teaching, periments, research, surgery, or tests were nducted involving accompanying pain or distress to e animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would we adversely affected the procedures, results, or terpretation of the teaching, research, experiments, rgery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the asons such drugs were not used must be attached to is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	1	1	0		0			1		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	5	39	0		0			39		
Domestic Goat	5	39	0		0			39		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 03-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 93-R-0015 Customer Number: 1192						
ANNUAL RE	Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) SCRIPPS RESEARCH INSTITUTE 10550 N. TORREY PINES ROAD, TPC-30 LA JOLLA, CA 92037 Telephone: 8587848261								
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg pro reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached t this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	4	0		0			4		
7 Hamsters	0	154	2486		0			2640		
8 Rabbits	0	114	0		0			114		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	36	0	17		0			17		
Naked mole-rat	36	0	17		0			17		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 04-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order Interagency Report Control No. 0180-DOA-AN Fiscal Ye				Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 50-R-0015 Customer Number: 330146						
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) SDIX LLC 52 ANDERSON RD WINDHAM, ME 04062 Telephone: 2078566151				
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expe cond the s anes have inte surg proo	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	3956	4970	848		0			5818		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	13	0		0			13		
11 Pigs	0	0	0		0			0		
12 Other Animals	131	873	7		0			880		
Domestic Goat	131	873	7		0			880		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 17-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be s			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRA		NUMBER: 16-R-0031 :: 56				
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) SEA RESEARCH FOUNDATION INC 55 COOGAN BLVD. MYSTIC, CT 06355 Telephone: 8605725955				
					1 .		70224			
REPORT OF ANIMALS USI A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate		E. No experience of the arrival the arrival anest have interpole surger produce reason	Number of animals upon which teaching, beriments, research, surgery, or tests were iducted involving accompanying pain or distress to animals and for which the use of appropriate sthetic, analgesic, or tranquilizing drugs would e adversely affected the procedures, results, or erpretation of the teaching, research, experiments, gery, or tests. (An explanation of the procedures ducing pain or distress on these animals and the sons such drugs were not used must be attached to report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0			0		0		
5 Cats	0	0	0		0		0			
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	34	0		0			34		
Steller / Steller's / Northern sea lion	0	4	0		0			4		
Harbor seal	0	10	0		0			10		
Northern fur seal	0	4	0		0			4		
California sea lion	0	6	0		0			6		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 02-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This report is required by law (7 U.S.C. 2143). Failure to report according to the regulations can result in an order Interagency Report Control								
This report is required by law to cease and desist and to be s			ations can r	esult in an order	Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021		
	DEPARTMENT OF A IT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 16-R-0031 Custoner Number: 56					
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) SEA RESEARCH FOUNDATION INC 55 COOGAN BLVD. MYSTIC, CT 06355 Telephone: 8605725955					
REPORT OF ANIMALS US	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(At	ttach additional .	heets, if necessary, or use APHIS FORM 7	023A.)			
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching experiments, research, surgery, or tests wer conducted involving accompanying pain or the animals and for which the use of approj anesthetic, analgesic, or tranquilizing drugs have adversely affected the procedures, res interpretation of the teaching, research, exp surgery, or tests. (An explanation of the pro producing pain or distress on these animals reasons such drugs were not used must be a this report.)	re r distress to priate s would sults, or periments, ocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
Beluga whale	0	8	0		0		8		
Largha seal	0	2	0	0 2					

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (LO.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 02-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 91-R-0059 er: 1268				
ANNUAL RE	ΥY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Seattle Childrens Research Institute 1900 - 9TH AVENUE SEATTLE, WA 98101 Telephone: 2068847444								
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached this this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	33		0			33		
12 Other Animals	311	23	9		22			54		
Cairo spiny mouse	311	23	9		22			54		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 11-Nov-2021

information unless it displays	s a valid OMB control numb ormation collection is estima	er. The valid OMB control r ted to average 2 hours per re	number for the sponse, inclusion	is information c uding the time fo	collector re	viewing instructions, searching	0	MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 91-R-0070 Customer Number: 324734						
ANNUAL RE	ΥY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) SEATTLE PACIFIC UNIVERSITY College of Arts and Sciences Ste 119 SEATTLE, WA 98119 Telephone: 2062812166								
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	139	0	0		0			0		
California mouse	139	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 19-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 63-R-0117 Customer Number: 999						
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) SEWANEE THE UNIVERSITY OF THE SOUTH 735 UNIVERSITY AVE SEWANEE, TN 37383 Telephone: 9315981722								
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg proo	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	34	0		0			34		
Domestic Goat	0	34	0		0			34		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							OMB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	-	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 96-R-0005 Customer Number: 1693					
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Seward Association for the Advancement of Marine Science (SAAMS) PO BOX 1329 Seward, AK 99664 Telephone: 9072246300					
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A	ttach additional	sheet	ts, if necessary, or use APHIS FORM 70	023A.)		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expe cond the a anes have inter surg prod reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress he animals and for which the use of appropriate mesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or nterpretation of the teaching, research, experiment surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the easons such drugs were not used must be attached his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	5	0		0			5	
Ringed seal	0	2	0		0			2	
Largha seal	0 3 0				0			3	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 19-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	result in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 21-R-0249 Customer Number: 42492						
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) SIEMENS HEALTHCARE DIAGNOSTICS INC 511 BENEDICT AVENUE TARRYTOWN, NY 10591 Telephone: 9145243194				
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress t the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	63	159	0		0			159		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	23	564	0		0			564		
11 Pigs	0	0	0		0			0		
12 Other Animals	9	107	0		0			107		
Domestic Goat	9	107	0		0			107		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 09-Nov-2021

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 21-R-0170 er: 403				
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) SIENA COLLEGE 515 LOUDON ROAD LOUDONVILLE, NY 12211 Telephone:								ess, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 93-R-0557 er: 330987				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Sierra Research Laboratories Inc. P.O. Box 576886 MODESTO, CA 95357 Telephone: 2095216380						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whice teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, europrive table (Am anylamition of the procedures).		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	4	0		0			4		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0 0 0						0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Dec-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 51-R-0091 Customer Number: 324796						
ANNUAL RE	ΥY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) SIGMOVIR BIOSYSTEMS INC 9610 MEDICAL CENTER DRIVE SUITE 100 ROCKVILLE, MD 20850 Telephone: 3012948629								
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	1819	1369	0		20			1389		
Arizona Cotton Rat	1819	1369	0		20			1389		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 74-R-0236 er: 600508			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Signature Science LLC 8329 North Mopac Expressway Austin, TX 78759 Telephone: 5125332000								ss, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 25-Oct-2021

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	Fiscal Year: 2021			
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 93-R-0520 er: 43420				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	USDA, includ	le ZI AINI 8 5, CA	NG SOLUTIONS 92049	e and Addre	ess, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	conducted involving accompanying pain or distr the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs wou have adversely affected the procedures, results, e interpretation of the teaching, research, experime		e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	737		0			737		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 11-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 43-R-0122 er: 45331				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	USDA, includ	le ZII ESEA COAD MO (ARCH CENTER L L C D DD 65231	e and Addre	ss, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distres the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experimen surgery, or tests. (An explanation of the procedure producing pain or distress on these animals and th reasons such drugs were not used must be attached this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	138	59	465		0			524		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	5	0	116		0			116		
7 Hamsters	0	0	0		0			0		
8 Rabbits	27	0	337		0			337		
9 Non-Human Primates	20	1	59		0			60		
10 Sheep	6	0	42		0			42		
11 Pigs	74	98	1066		0			1164		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 24-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 43-R-0131 Customer Number: 45331					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	USDA, includ	le ZI ESEA CAL MO (ARCH CENTER L L C O DD 65231	e and Addre	ss, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distr the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs wou have adversely affected the procedures, results, interpretation of the teaching, research, experime surgery, or tests. (An explanation of the procedu producing pain or distress on these animals and t reasons such drugs were not used must be attach this report.)		e distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	37	66		0			103	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0 0					0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 24-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 23-R-0162 Customer Number: 31006						
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and USDA, include ZIP Code) SLIPPERY ROCK UNIVERSITY 1 MORROW WAY SLIPPERY ROCK, PA 16057 Telephone:								ss, as registered with		
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		re distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	18	0		0			18		
Domestic Horse	0	18	0		0			18		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be s			lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A VT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 14-R-0061 er: 136				
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) SMITH COLLEGE CLARK SCIENCE CENTER/SMITH COLLEGE NORTHAMPTON, MA 01063 Telephone:				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(A	ttach additional	sheet	ts, if necessary, or use APHIS FORM 7(023A.)			
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		expected conditioners aness have inters surg proor reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to he animals and for which the use of appropriate inesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, urgery, or tests. (An explanation of the procedures oroducing pain or distress on these animals and the easons such drugs were not used must be attached to his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	23	110	0		0			110		
Meadow vole	23	4	0		0			4		
Prairie vole	0	106	0		0			106		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 12-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.										
This report is required by law to cease and desist and to be			lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021			
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 52-R-0136 er: 325348					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	USDA, include SO BRAN INC 3110 Fairview	le ZI C w Pa /> F.	rk Drive ALLS CHURCH, VA 22042	e and Addre	ss, as registered with			
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)										
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	0		0			0			
5 Cats	0	0	0		0			0			
6 Guinea Pigs	0	0	0		0			0			
7 Hamsters	0	0	0		0			0			
8 Rabbits	0	0	0		0			0			
9 Non-Human Primates	0	0	0		0			0			
10 Sheep	0	0	0		0			0			
11 Pigs	0	0	0		0			0			
12 Other Animals	0	0	0		0			0			

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 06-Jan-2022

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order	Interagency Report Control No. 0180-DOA-AN Fiscal Year: 2021			Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 91-R-0080 Customer Number: 23329						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Ϋ́Υ	USDA, includ SOUND PHA	le ZII RMA WAY A 98.	ACEUTICALS, INC. Y N SUITE 120 103	e and Addre	ess, as registered with		
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)										
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experimen teaching, research, surgery, or tests were conducted involving no accompanying pain or of distress to the animals		conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures r producing pain or distress on these animals and the		re distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 16-Nov-2021

information unless it displays	iewing instructions, searching	0	MB APPROVED 0579-0036								
This report is required by law to cease and desist and to be s			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021			
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		NUMBER: 46-R-0002 r: 1561					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		ΥY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) South Dakota State University MORRILL HALL 200F BOX 2201 br/> BROOKINGS, SD 57007 Telephone: (605) 688-5642							
	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)										
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. N expe cond the a aness have inter surg prod rease	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to he animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	0		0			0			
5 Cats	0	0	0		0			0			
6 Guinea Pigs	0	0	0		0			0			
7 Hamsters	0	0	0		0			0			
8 Rabbits	0	0	0		0			0			
9 Non-Human Primates	0	0	0		0			0			
10 Sheep	0	0	0		0			0			
11 Pigs	0	0	0		0			0			
12 Other Animals	0	125	0		0			125			
American bison	0	20	0		0			20			
North American black bear	0	27	0		0			27			
Idaho ground squirrel	0	48	0		0			48			
Striped skunk	0	17	0		0			17			
American pine vole	0	13	0		0			13			

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 24-Nov-2021

information unless it displays	quired to respond to, a collection of ollection is 0579-0036. The time or reviewing instructions, searching nformation.	OM	MB APPROVED 0579-0036				
This report is required by law to cease and desist and to be s			ations can re	esult in an order	Interagency Report Control No. 0180-DOA-AN	F	Fiscal Year: 2021
	UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE Custoner Number: 1561						
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) South Dakota State University MORRILL HALL 200F BOX 2201 BROOKINGS, SD 57007 Telephone: (605) 688-5642			
REPORT OF ANIMALS USE	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(At	ttach additional	sheets, if necessary, or use APHIS FORM 7	'023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re surgery, or conducted accompany distress to t and for whi anesthetic,	h experiments, esearch, tests were involving ying pain or the animals ich appropriate analgesic, or	E. Number of animals upon which teachin experiments, research, surgery, or tests we conducted involving accompanying pain o the animals and for which the use of appro anesthetic, analgesic, or tranquilizing drug have adversely affected the procedures, res- interpretation of the teaching, research, exp surgery, or tests. (An explanation of the pr producing pain or distress on these animals reasons such drugs were not used must be	ore opriate swould sults, or periments, rocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)

used.

this report.)

ASSURANCE STATEMENTS

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (LO.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 24-Nov-2021

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 46-R-0014 er: 600227			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQU. USDA, includ Southeast Tec 2320 N Caree Sioux Falls, S Telephone: 60	le ZII chnic er Av SD 57	val College venue 7107	e and Addre	ess, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	conducted involving accompanying pain or dis the animals and for which the use of appropriat anesthetic, analgesic, or tranquilizing drugs wo have adversely affected the procedures, results, interpretation of the teaching, research, experin		e distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	27	0		0			27	
5 Cats	0	17	0		0			17	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order	Interagency Report O No. 0180-DOA-		Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 64-R-0018 Customer Number: 835					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Southern Biotechnology Associates Inc P.O. Box 26221 BIRMINGHAM, AL 35260 Telephone: 2059451774						
REPORT OF ANIMALS US	FD BY OR LINDER CONT	TROL OF RESEARCH FA		ttach additional	sheats if nacessary, or use AP	HIS EORM 70234			
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distru- he animals and for which the use of appropriate unesthetic, analgesic, or tranquilizing drugs wou ave adversely affected the procedures, results, on therpretation of the teaching, research, experime urgery, or tests. (An explanation of the procedur oroducing pain or distress on these animals and t easons such drugs were not used must be attach his report.)		F. TOTAL NUMBER OF ANIMALS e (Cols. C + D + E)		
4 Dogs	0	0	0		0		0		
5 Cats	0	0	0		0		0		
6 Guinea Pigs	0	0	0		0		0		
7 Hamsters	0	0	0		0		0		
8 Rabbits	0	0	52		0		52		
9 Non-Human Primates	0	0	0		0		0		
10 Sheep	0	0	2		0		2		
11 Pigs	0	0	4		0		4		
12 Other Animals	0	0	123		0		123		
Domestic Goat	0	0	96		0		96		
Donkey / Burro / Ass	0	0	23		0		23		
Llama	0	0	4		0		4		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

information unless it display required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 33-R-0113 Customer Number: 707					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Southern Illinois University School of Medicine Division Of Lab Animal Med 825 N Rutledge St P.O. Box 19611 SPRINGFIELD, IL 62794 Telephone: 2175453053						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or of the animals and for which the use of approprianesthetic, analgesic, or tranquilizing drugs of have adversely affected the procedures, resu- interpretation of the teaching, research, expe- surgery, or tests. (An explanation of the proc- producing pain or distress on these animals a reasons such drugs were not used must be at this report.)		e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	6		0			6	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 10-Nov-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRA' Customer No		NUMBER: 33-R-0014 r: 598		
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		ΥY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) SOUTHERN ILLINOIS UNIVERSITY VIVARIUM, LIFE SCIENCE III ROOM 1062 br/>> CARBONDALE, IL 62901 Telephone: 6185362346				
REPORT OF ANIMALS US: A. Animals Covered By The Animal Welfare Regulations	ED BY OR UNDER CONT B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or		E. N expe cond the a anest have inter surge prod	Number of animals upon which teaching, beriments, research, surgery, or tests were aducted involving accompanying pain or distress to animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would we adversely affected the procedures, results, or erpretation of the teaching, research, experiments, gery, or tests. (An explanation of the procedures wducing pain or distress on these animals and the sons such drugs were not used must be attached to		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	58	used.		this report.) 0		58	
5 Cats	0	0	0		0		0	
6 Guinea Pigs	72	78	0		0			78
7 Hamsters	0	0	0		0			0
8 Rabbits	0	0	0		0			0
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	0	0		0			0
11 Pigs	0	0	0		0			0
12 Other Animals	19	393	116		0			509
White-tailed deer	0	25	41		0			66
American beaver	0	0	16		0			16
Bobcat	0	0	5		0			5
Coyote	0	0	12		0			12
Striped skunk	0	6	0		0			6

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 19-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036
This report is required by law to cease and desist and to be s			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021
	DEPARTMENT OF A IT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL	REGISTRATION NUMBER: 33-R-0014 Custoner Number: 598				
CONTINUATION SHEET FOR ANNOAL USDA, include ZIP Code) SOUTHERN ILLINOIS UNIVERSIT (TYPE OR PRINT) SOUTHERN ILLINOIS UNIVERSIT VIVARIUM, LIFE SCIENCE III ROOM 1062 or/> CARBONDALE Telephone: 6185362346						INOIS UNIVERSITY 5 SCIENCE III > CARBONDALE, IL 62901 362346		ss, as registered with
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	tach additional				
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg pro reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
Virginia opossum	0	2	0		0			2
Nine-banded armadillo	0	4	0		0			4
Raccoon	0	1	0		0			1
Eastern chipmunk	0	7	0		0			7
Northern short-tailed shrew	0	4	0		0			4
Eastern mole	0	3	0		0			3
Deer mouse	0	134	0		0			134
Meadow vole	0	112	0		0			112
Marsh rice rat	0	6	0		0			6
Naked mole-rat	19	89	42		0			131

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (LO.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 19-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching o579-0036 OMB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 74-G-0003 er: 334299		
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) SOUTHERN PLAINS AG RESEARCH CENTER 2881 F and B Road COLLEGE STATION, TX 77845 Telephone: 9792609372				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional	sheet	ts, if necessary, or use APHIS FORM 70	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con- the ane: have inte surg proo	2. Number of animals upon which teaching, xperiments, research, surgery, or tests were onducted involving accompanying pain or distress to he animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would ave adversely affected the procedures, results, or nterpretation of the teaching, research, experiments, urgery, or tests. (An explanation of the procedures roducing pain or distress on these animals and the easons such drugs were not used must be attached to his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0			0
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	0	0	0		0			0
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	0	0		0			0
11 Pigs	0	0	0		0			0
12 Other Animals	3	2642	554		0			3196
Cattle / Cow / Ox / Watusi	3	0	0		0			0
ARS BIRDS	0	2642	554		0			3196

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 12-Oct-2021

information unless it displays	s a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	umber for the sponse, inclusion	nis information co uding the time fo	ollec or rev	viewing instructions, searching	0	MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 73-G-0001 er: 334028				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) SOUTHERN PLAINS RANGE RESEARCH STATION 2000 18th St. WOODWARD, OK 73801 Telephone: 5802567449				ss, as registered with		
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg proo	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	210	272	0		0			272		
Cattle / Cow / Ox / Watusi	210	272	0		0			272		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 16-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order	•	Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 57-R-0128 Customer Number: 334239					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	USDA, include SOUTHERN I	le ZL REG GHW LE, (GIONAL TECHNICAL COLLEGE VAY 19 NORTH GA 31792	e and Addre	ss, as registered with	
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	58	76		0			134	
5 Cats	0	28	42		0			70	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 27-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching oxford 0579-0036 at a sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be s			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	-	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 64-R-0001 er: 878				
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) SOUTHERN RESEARCH INSTITUTE 2000 NINTH AVENUE SOUTH P.O. BOX 55305 bir/> BIRMINGHAM, AL 35255 Telephone: 2055812522				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional	sheet	ts, if necessary, or use APHIS FORM 70	023A.)			
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expected constitutes anest have inter surg proor reas	2. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress he animals and for which the use of appropriate mesthetic, analgesic, or tranquilizing drugs would ave adversely affected the procedures, results, or interpretation of the teaching, research, experiments urgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the easons such drugs were not used must be attached to his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	3		0			3		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	33	186	24		60			270		
8 Rabbits	4	40	0		0			40		
9 Non-Human Primates	37	91	32		57			180		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	3	94	70		131			295		
Domestic Ferret	0	94	6		131			231		
Hispid cotton rat	3	0	64		0			64		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 17-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL		REGISTRATION NUMBER: 85-R-0015 Customer Number: 1077					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	ARCH FACILIT	Y	2. HEADQUA USDA, include SOUTHWEST 401 N. 17TH 3 LAS CRUCES Telephone: 57	le ZI T BIC ST., s S, NM	D-LABS INC. #11 # 88005	and Addre	ss, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	19	47	0		0			47		
5 Cats	1	6	0		0			6		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 19-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							OMB APPROVED 0579-0036		
	w (7 U.S.C. 2143). Failure to subject to penalties as provid		lations can r	esult in an order	Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL		REGISTRATION NUMBER: 58-F-0009 Customer Number: 966				
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) SPACE STATION PROCESSING FACILITY SCIENCE ANNEX SPACE STATION PROCESSING FACILITY MAIL CODE: TOSC-313 br/> ORLANDO, FL 32899 Telephone: 3218612199				
REPORT OF ANIMALS US	SED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional	sheets, if necessary, or use APHIS FO	RM 7023A.)			
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		. Number of animals upon which teaching, xperiments, research, surgery, or tests were onducted involving accompanying pain or distress to the animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would ave adversely affected the procedures, results, or iterpretation of the teaching, research, experiments, urgery, or tests. (An explanation of the procedures roducing pain or distress on these animals and the easons such drugs were not used must be attached to ais report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0		0		
5 Cats	0	0	0		0		0		
6 Guinea Pigs	0	0	0		0		0		
7 Hamsters	0	0	0		0		0		
8 Rabbits	0	0	0		0		0		
9 Non-Human Primates	0	0	0		0		0		
10 Sheep	0	0	0		0		0		
11 Pigs	0	0	0		0		0		
12 Other Animals	0	100	0		0		100		
Oldfield mouse	0	87	0		0		87		
Cotton Deermouse	0	5	0		0		5		
Hispid cotton rat	0	8	0		0		8		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 19-Oct-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be s			lations can r	esult in an order	:	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 55-F-0007 Customer Number: 955					
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) SPECIAL WARFARE MEDICAL GROUP (AIRBORN) U S ARMY J F K S W C S 3004 ARDENNES ST, STOP A, AOJK-MED FORT BRAGG, NC 28310 Telephone: 910-432-4918			
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	569		0			569	
12 Other Animals	0	0	2888		0			2888	
Domestic Goat	0	0	2888		0			2888	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Dec-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order	esult in an order Interagency Report Control Fiscal Year: 2 No. 0180-DOA-AN				
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 35-R-0127 er: 323964			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) SPF NORTH AMERICA INC 428 S WASHINGTON STREET MONDOVI, WI 54755 Telephone: 8643743239					
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	3	36	0		0			36	
5 Cats	44	119	0		0			119	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Feb-2022

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
	w (7 U.S.C. 2143). Failure to subject to penalties as provide		lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL		REGISTRATION NUMBER: 41-R-0076 Customer Number: 38803				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQU. USDA, includ SPRING POII 121 S 8TH ST MINNEAPOL Telephone:	le ZI NT F STI	PROJECT E 822	e and Addre	ess, as registered with	
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distr the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs wou have adversely affected the procedures, results, c interpretation of the teaching, research, experime surgery, or tests. (An explanation of the procedu producing pain or distress on these animals and t reasons such drugs were not used must be attach this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0	-		0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	136	153	0		0			153	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 31-Jan-2022

information unless it display	ed to respond to, a collection of ction is 0579-0036. The time viewing instructions, searching rmation.	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be	w (7 U.S.C. 2143). Failure to subject to penalties as provide	report according to the reguled for in Section 2150.	lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 21-R-0251 er: 21096				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) ST BONAVENTURE UNIVERSITY PSYCH DEPT, DE LA ROCHE HALL SAINT BONAVENTURE, NY 14778 Telephone: 7163752000						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tastr. (A a exploration of the procedures)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 13-Oct-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 41-R-0078 er: 44975				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) ST CLOUD STATE UNIVERSITY 720 4TH AVENUE SOUTH, A S 210 SAINT CLOUD, MN 56301 Telephone: 3203084932						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgraps, or tester, (An explanation of the procedures)		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 14-Oct-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	result in an order	-	Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL	REGISTRAT Customer Nu		N NUMBER: 21-R-0012 er: 288			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Add USDA, include ZIP Code) ST JOHNS UNIVERSITY 8000 UTOPIA PARKWAY JAMAICA, NY 11439 Telephone:								ss, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (A a explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	48	0		0			48	
8 Rabbits	2	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 26-Oct-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 23-R-0179 Customer Number: 330557						
ANNUAL RE	Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) ST JOSEPHS UNIVERSITY OFFICE OF RESEARCH SERVICES 5600 CITY AVE > PHILADELPHIA, PA 19131 Telephone: 6106601271								
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con- the ane: hav inte surg proo reas	xperiments, research, surgery, or tests were onducted involving accompanying pain or distress to he animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would ave adversely affected the procedures, results, or nterpretation of the teaching, research, experiments, wargery or test, (An explanation of the procedures		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	42	42	0		0			42		
California mouse	42	42	0		0			42		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 28-Nov-2021

information unless it displays	iewing instructions, searching	о	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 63-R-0007 Customer Number: 845						
ANNUAL RE	Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) ST JUDE CHILDRENS RESEARCH HOSPITAL 262 DANNY THOMAS PLACE MEMPHIS, TN 38105 Telephone:								
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expe cond the a anest have inter surge produced	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to he animals and for which the use of appropriate inesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, wrany, or test, (An explanation of the procedures		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	20	220		0			240		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	5	516		0			521		
Domestic Ferret	0	5	516		0			521		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 27-Oct-2021

information unless it display required to complete this in	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
	w (7 U.S.C. 2143). Failure to e subject to penalties as provid		lations can 1	result in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL		REGISTRATION NUMBER: 43-R-0011 Customer Number: 1507					
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as reg USDA, include ZIP Code) ST LOUIS UNIVERSITY 3700 West Pine Mall Fusz Memorial Hall SAINT LOUIS, MO 63108 Telephone: 3149778345								ss, as registered with		
REPORT OF ANIMALS U	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whice teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	r of animals th experiments, research, r tests were involving ying pain or the animals ich appropriate , analgesic, or ng drugs were	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, currary, or taste, (A a explanation of the procedures		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	84	5		0			89		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	1146		15			1161		
8 Rabbits	0	1	51		0			52		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	16		0			16		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 15-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 58-R-0023 Customer Number: 914						
ANNUAL RE	Ϋ́Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) ST PETERSBURG COLLEGE 12376 ULMERTON ROAD LARGO, FL 33774 Telephone: 7273026724								
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	exp con the ane hav inte surg pro reas	Number of animals upon which teaching, periments, research, surgery, or tests were onducted involving accompanying pain or distress to e animals and for which the use of appropriate eesthetic, analgesic, or tranquilizing drugs would we adversely affected the procedures, results, or terpretation of the teaching, research, experiments, rgery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the asons such drugs were not used must be attached to is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	52	52	52		0			104		
5 Cats	48	48	48		0			96		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	11	11	11		0			22		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	2	2	2		0			4		
Domestic Ferret	2	2	2		0			4		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 07-Oct-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 21-R-0141 er: 399			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) ST. LAWRENCE UNIVERSITY DEANS OFFICE / VILAS HALL 23 ROMODA DRIVE br/> CANTON, NY 13617 Telephone: 3152295993							e and Addre	ess, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the treaching, research, experiments, surgery, or test (An avaluation of the procedures).		TOTAL NUMBER OF		
4 Dogs	0	8	0		0			8	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0 0 0					0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be s			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL	REGISTRAT		N NUMBER: 93-R-0559 er: 330409				
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) STANBRIDGE UNIVERSITY 2041 Business Center Drive, Suite 107 IRVINE, CA 92612 Telephone: 9497949090								
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg proo reas	Number of animals upon which teaching, beriments, research, surgery, or tests were iducted involving accompanying pain or distress tr animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would ve adversely affected the procedures, results, or erpretation of the teaching, research, experiments, gery, or tests. (An explanation of the procedures ducing pain or distress on these animals and the sons such drugs were not used must be attached to s report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	151	16		0			167		
5 Cats	0	103	15		0			118		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	28	0		0			28		
Domestic rabbit / European rabbit	0	16	0		0			16		
Domestic Horse 0 12 0					0			12		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							OMB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 93-R-0004 er: 1190				
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) STANFORD UNIVERSITY 1705 El Camino Real Five Palo Alto Square, 4th Floor PALO ALTO, CA 94306 Telephone: 6507367065								
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg pro reas	. Number of animals upon which teaching, speriments, research, surgery, or tests were onducted involving accompanying pain or distress e animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would ave adversely affected the procedures, results, or terpretation of the teaching, research, experiments rgery, or tests. (An explanation of the procedures roducing pain or distress on these animals and the asons such drugs were not used must be attached is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	25	4		0			29		
7 Hamsters	84	33	12		21			66		
8 Rabbits	1	0	181		27			208		
9 Non-Human Primates	24	16	11		0			27		
10 Sheep	0	0	15		0			15		
11 Pigs	0	0	156		0			156		
12 Other Animals	468	633	36		432			1101		
Prairie vole	468	633	34		432			1099		
Domestic Ferret	ret 0 0 2				0			2		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 19-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be	v (7 U.S.C. 2143). Failure to subject to penalties as provide	report according to the reguled for in Section 2150.	lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 21-R-0237 er: 331725				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) STATE UNIVERSITY OF NEW YORK COLLEGE AT ONEONTA 108 RAVINE PARKWAY ONEONTA, NY 13820 Telephone: 6074363744						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, curranzy, or test (An explanation of the procedures)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0 0					0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 07-Jan-2022

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 21-R-0021 Customer Number: 294						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	ΥY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) STATE UNIVERSITY OF NEW YORK 450 Clarkson Avenue, MSC 112 BROOKLYN, NY 11203 Telephone:							
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte sury pro reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	317		0			317		
8 Rabbits	0	26	14		0			40		
9 Non-Human Primates	2	1	78		0			79		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	153	9	8		0			17		
Seba's short-tailed bat	153	9	8				17			

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 21-R-0013 Customer Number: 282						
ANNUAL RE	PORT OF RESE. (TYPE OR PRINT		ŶY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) STATE UNIVERSITY OF NEW YORK NEWELL VET TECH CENTER 101B 34 CORNELL DR br/> CANTON, NY 13617 Telephone: 3153867074						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or dist the animals and for which the use of appropriat anesthetic, analgesic, or tranquilizing drugs wo have adversely affected the procedures, results, interpretation of the teaching, research, experin surgery, or tests. (An explanation of the proced producing pain or distress on these animals and reasons such drugs were not used must be attact this report.)		re r distress to priate s would sults, or periments, pocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	68		0			68		
5 Cats	0	0	94		0			94		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	2	0		0			2		
8 Rabbits	0	2	0		0			2		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0 0					0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 07-Jan-2022

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 21-R-0013 Customer Number: 282						
ANNUAL RE	PORT OF RESE. (TYPE OR PRINT		ŶY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) STATE UNIVERSITY OF NEW YORK NEWELL VET TECH CENTER 101B 34 CORNELL DR br/> CANTON, NY 13617 Telephone: 3153867074						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or dist the animals and for which the use of appropriat anesthetic, analgesic, or tranquilizing drugs wo have adversely affected the procedures, results, interpretation of the teaching, research, experin surgery, or tests. (An explanation of the proced producing pain or distress on these animals and reasons such drugs were not used must be attact this report.)		re r distress to priate s would sults, or periments, pocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	68		0			68		
5 Cats	0	0	94		0			94		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	2	0		0			2		
8 Rabbits	0	2	0		0			2		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0 0					0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 07-Jan-2022

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 21-R-0051 Customer Number: 389				
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) STATE UNIVERSITY OF NEW YORK LEVEL 3, AML FAC 116 BIO MD BL 3435 MAIN STREET buFFALO, NY 14214 Telephone: 7168292919						
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(At	ttach additional .	sheet	ts, if necessary, or use APHIS FORM 7	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distre- the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experimer surgery, or tests. (An explanation of the procedure producing pain or distress on these animals and th reasons such drugs were not used must be attache this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	1	0	29		0			29
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	182	0	334		0			334
8 Rabbits	0	12	32		0			44
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	0	82		0			82
11 Pigs	0	0	120		0			120
12 Other Animals	0	1	38		0			39
Chinchilla	0	1	38		0			39

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 28-Oct-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036					
This report is required by law to cease and desist and to be			lations can r	esult in an order	esult in an order Interagency Report Control No. 0180-DOA-AN Fiscal Year: 202			
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 21-R-0037 er: 308		
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) STATE UNIVERSITY OF NEW YORK WEISKOTTEN HALL, 766 IRVING AVENUE ROOM 4159-br/> SYRACUSE, NY 13210 Telephone: 3154646563				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A	ttach additional :	sheet	ts, if necessary, or use APHIS FORM 70	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	conducted involving accompanying pain or dis the animals and for which the use of appropriat anesthetic, analgesic, or tranquilizing drugs wo have adversely affected the procedures, results interpretation of the teaching, research, experir te surgery, or tests. (An explanation of the proced producing pain or distress on these animals and		distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0			0
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	4	0	81		0			81
9 Non-Human Primates	44	0	5		0			5
10 Sheep	0	0	0		0			0
11 Pigs	0	0	82		0			82
12 Other Animals	0	0	0		0			0

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
		lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021		
		MAL							
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) STATE UNIVERSITY OF NEW YORK COLLEGE OF ENVIRONMENTAL SCIENCE AND FORESTRY I FORESTRY DRIVE br/> SYRACUSE, NY 13210 Telephone: 3154706681					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
В.	C.						F.		
Number of animals being bred, conditioned, or held for use in teaching	f animals being itioned, or held Number of animals upon which teaching, research, experiments, or tests were		ing, research, co ry, or tests were the ucted involving an npanying pain or ha		cted involving accompanying pain or distress to imals and for which the use of appropriate aetic, analgesic, or tranquilizing drugs would adversely affected the procedures, results, or		TOTAL NUMBER OF		
testing, experiments, research, or surgery but not yet used for such purposes	conducted involving no pain, distress, or use of pain-relieving drugs.	distress to and for wh anesthetic,	istress to the animals ad for which appropriate nesthetic, analgesic, or anquilizing drugs were		erpretation of the teaching, research, experim gery, or tests. (An explanation of the procedu ducing pain or distress on these animals and sons such drugs were not used must be attach		ANIMALS (Cols. C + D + E)		
0	0	0		0			0		
0	0	0		0			0		
0	0	0		0			0		
0	0	0		0			0		
0	0	0		0			0		
0	0	0		0			0		
0	0	0		0			0		
0	0	0		0			0		
0	1704	58		0			1762		
0	2	2		0			4		
0	1	56		0			57		
0	50	0		0			50		
0	1070	0		0			1070		
0	179	0		0			179		
	a valid OMB control numb rmation collection is estima ing and maintaining the data (7 U.S.C. 2143). Failure to subject to penalties as provid DEPARTMENT OF A VT HEALTH INSPEC PORT OF RESE (TYPE OR PRINT B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	a valid OMB control number. The valid OMB control normation collection is estimated to average 2 hours per reng and maintaining the data needed, and completing and (7 U.S.C. 2143). Failure to report according to the reguses comparison of the penalties as provided for in Section 2150. DEPARTMENT OF AGRICULTURE ANILY DEPARTMENT OF RESEARCH FACILIT THEALTH INSPECTION SERVICE PORT OF RESEARCH FACILIT (TYPE OR PRINT) ED BY OR UNDER CONTROL OF RESEARCH FACILIT (TYPE OR PRINT) ED BY OR UNDER CONTROL OF RESEARCH FA B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	a valid OMB control number. The valid OMB control number for the tranation collection is estimated to average 2 hours per response, including and maintaining the data needed, and completing and reviewing the contract of the regulations can resubject to penalties as provided for in Section 2150. DEPARTMENT OF AGRICULTURE ANIMAL DEPARTMENT OF AGRICULTURE ANIMAL THEALTH INSPECTION SERVICE PORT OF RESEARCH FACILITY (A B. D. Number of animals being bred, conditioned, or held for use in teaching, research, or surgery but not yet used for such purposes D. Number of animals being bred, conditioned, or held for use in teaching, research, or surgery but not yet used for such purposes D. Number of animals upon which teaching, research, error surgery but not yet used for such purposes D. Number of animals upon which teaching are previous of an investments, research or surgery but not yet used for such purposes D. Number of animals upon which teaching are previous of an investments, research or surgery but not yet used for such purposes D. Number of animals upon which teaching are previous of an investments, research or surgery but not yet used for such purposes D. O 0	a valid OMB control number. The valid OMB control number for this information remation collection is estimated to average 2 hours per response, including the time for g and maintaining the data needed, and completing and reviewing the collection of the regulations can result in an order values as provided for in Section 2150.	a valid OMB control number. The valid OMB control number for this information collection is estimated to average 2 hours per response, including the time for review ing and maintaining the data needed, and completing and reviewing the collection of information collection is estimated to average 2 hours per response, including the time for review ing the collection of information collection is estimated to average 2 hours per response, including the time for review ing the collection of information collection is estimated to average 2 hours per response, including the time for review in the collection of information collection of information collection is estimated to average 2 hours per response, including the time for review into the resultion control of a settimated to average 2 hours per response, including the time for review into the animal setting (TYPE OR PRINT) PORT OF RESEARCH FACILITY (Attach additional sheets, for the control of animals upon which experiments, teaching, research, superiments, or tests were conducted involving no pain, distress, or use of increasent, or super your increasent, analysis, experiments, releasent, superiments, rests were conducted involving no pain, distress, or use of increasent, superiments, increasent, superiments, response of the animals used. D. Number of animals being pain-relieving drugs. D. Number of animals upon which experiments, increasent, superiments, rests were conducted involving no pain, distress, or use of increasent, superiments, increasent, superiments, and the animals anestheric, analgesic, or traquilizing drugs were used. D. Number of animals upon which experiments anestheric analgesic, or traquilizing drugs were used. D. On O O O O O O O O O O O O O O O O O O	a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time mention collection is ostimated to average 2 hours per sponse, including the time for revisiving instructions, searching and maintaining the data needed, and completing and reviewing the collection of information. Interagency Report Control No. 0180-DOA-AN	a valid OMB control number. The valid OMB control immer for this information. Cletcion is 5079-0036. The time memotion collection is seimated to average 2 hours per response, including the time for reviewing instructions, searching and reviewing the collection of information. 0 (7 U.S.C. 2143). Failure to report according to the regulations can result in an order unpice to penalties as provided for in Section 2150. Interagency Report Control No. 0180-DOA-AN 1 DEPARTMENT OF AGRICULTURE ANIMAL THEALTH INSPECTION SERVICE REGISTRATION NUMBER: 21-R-0024 Customer Number: 25 2 PORT OF RESEARCH FACILITY (<i>Name and Addre USACIE COS</i>) STATE UNVEST OF ALEVALUE Cost of the term of animal super term of the regulations can result in an order upper term of the regulation of the regul		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

According to the Paperwork l information unless it displays required to complete this info existing data sources, gatherin		OMB APPROVED 0579-0036							
This report is required by law to cease and desist and to be s			lations can r	esult in an order	Interagency Report Com No. 0180-DOA-AN	trol	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 21-R-0024 Custoner Number: 295					
	ATION SHEET Γ OF RESEARCI (TYPE OR PRINT	H FACILITY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) STATE UNIVERSITY OF NEW YORK COLLEGE OF ENVIRONMENTAL SCIENCE AND FORESTRY I FORESTRY DRIVE SYRACUSE, NY 13210 Telephone: 3154706681						
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		conducted involving accompanyi the animals and for which the use anesthetic, analgesic, or tranquili have adversely affected the proce interpretation of the teaching, res surgery, or tests. (An explanation producing pain or distress on the	periments, research, surgery, or tests were nducted involving accompanying pain or distress to e animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would ve adversely affected the procedures, results, or terpretation of the teaching, research, experiments, rgery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the asons such drugs were not used must be attached to			
Southern flying squirrel	0	3	0		0	3			
Hairy-tailed mole	0	1	0		0		1		
Long-tailed weasel	0	1	0		0		1		
Meadow jumping mouse	0	30	0		0		30		
Meadow vole	0	12	0		0		12		
American least shrew	0	2	0		0		2		
Northern flying squirrel	0	1	0		0		1		
American red squirrel	0	20	0		0		20		
Northern red-backed vole	0	125	0		0		125		
Northern short-tailed shrew	0	68	0		0		68		
Smoky shrew	0	3	0		0		3		
Woodland jumping mouse	0	131	0		0		131		
American pine vole	0	5	0		0		5		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (LO.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 88-R-0009 Customer Number: 500526					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) STEINER BIOTECHNOLOGY 1051 Olsen Street; Bldg 3611 HENDERSON, NV 89011 Telephone: 8663171348					
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	esearch, tests were involving ving pain or the animals ich appropriate analgesic, or ng drugs were	conducted involving accompanying pain or distre- the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs woul have adversely affected the procedures, results, o interpretation of the teaching, research, experime		distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	12		0			12	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 14-R-0208 er: 330562		
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) STEPHEN PURDY 458 S WASHINGTON STREET BELCHERTOWN, MA 01007 Telephone: 4136587718				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional	sheet	ts, if necessary, or use APHIS FORM 7	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expected constitutes aness have inter surg proor reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress t the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0			0
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	0	0	0		0			0
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	0	0		0			0
11 Pigs	0	0	0		0			0
12 Other Animals	0	26	0		0			26
Alpaca	0	19	0		0			19
Donkey / Burro / Ass	0	7	0		0			7

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 17-Nov-2021

information unless it display	ed to respond to, a collection of tion is 0579-0036. The time viewing instructions, searching mation.	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 74-R-0049 er: 1503			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Stillmeadow Inc. 12852 PARK ONE DRIVE SUGAR LAND, TX 77478 Telephone: 2812408828					
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or di the animals and for which the use of appropri anesthetic, analgesic, or tranquilizing drugs w have adversely affected the procedures, result interpretation of the teaching, research, exper- surgery, or tests. (An explanation of the proce producing pain or distress on these animals ar reasons such drugs were not used must be atta this report.)		e distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	193	174	0		0			174	
5 Cats	42	34	2		0			36	
6 Guinea Pigs	746	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	465	220	0		0			220	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 09-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 21-V-0008 Customer Number: 663					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) STRATTON VA MEDICAL CENTER (500) RESEARCH (151) 113 HOLLAND AVENUE ALBANY, NY 12208 Telephone: 5186265628					
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY (A)	ttach additional .	shee	ts, if necessary, or use APHIS FORM 7(023A.)		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distr the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs wou have adversely affected the procedures, results, of interpretation of the teaching, research, experime surgery, or tests. (An explanation of the procedur producing pain or distress on these animals and t reasons such drugs were not used must be attach this report.)		e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	25		0			25	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 12-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC	AGRICULTURE AND CTION SERVICE	MAL	REGISTRATION NUMBER: 42-R-0053 Customer Number: 28833					
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILI USDA, include ZIP Code) STRUVE LABS INTERNATIONAL INC 1603 Enterprise St Manning, IA 51455 Telephone: 712-653-2125, 641-757-1002							e and Addre	ess, as registered with	
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiment surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached this report.)		e distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0 0 0					0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 12-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 55-R-0151 Customer Number: 503379					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) STVT AAI EDUCATION INC - MILLER MOTTE COLLEGE 3901 CAPITAL BLVD, SUITE 151 RALEIGH, NC 27604 Telephone: 9198552504					
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or of the animals and for which the use of appropr anesthetic, analgesic, or tranquilizing drugs we have adversely affected the procedures, resul interpretation of the teaching, research, exper- surgery, or tests. (An explanation of the proc producing pain or distress on these animals a reasons such drugs were not used must be att this report.)		e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	19		0			19	
5 Cats	0	0	7		0			7	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Oct-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 21-R-0221 ar: 325144				
ANNUAL RE	ŶY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) SUFFOLK COUNTY COMMUNITY COLLEGE Paumanok Hall P109 VST 1001 Crooked Hill Road BRENTWOOD, NY 11717 Telephone: 6318516962								
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expe cond the a anes have inter surg prod rease	Number of animals upon which teaching, periments, research, surgery, or tests were inducted involving accompanying pain or dis e animals and for which the use of appropria esthetic, analgesic, or tranquilizing drugs we averadversely affected the procedures, results terpretation of the teaching, research, experin rgery, or tests. (An explanation of the procec oducing pain or distress on these animals an asons such drugs were not used must be attact is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	13	13	0		0			13		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	126	0	70		0			70		
House mouse / lab mouse	124	0	70		0			70		
Norway rat / lab rat (common research/pet variety)	2	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 28-Oct-2021

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 23-R-0126 er: 371			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		USDA, includ SUMMIT RID 4526 State Ro	ADQUARTERS RESEARCH FACILITY (Name and Address, as registered with include ZIP Code) IT RIDGE BIOSYSTEMS INC tate Route 2073 IEHANNA, PA 18847 one:					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, cateste, (A a explanation of the procedures)		TOTAL NUMBER OF		
4 Dogs	23	962	139		0			1101	
5 Cats	54	616	0		0			616	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 21-R-0208 er: 25376			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Ϋ́Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) SUNY COLLEGE AT CORTLAND BOWERS HALL ANIMAL FACILITY ROOM 250 br/> CORTLAND, NY 13045 Telephone: 6077532722					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, our state (An avalantic on of the procedures)		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Dec-2021

According to the Paperwork information unless it display required to complete this inf existing data sources, gather	79-0036. The time	0	MB APPROVED 0579-0036						
	w (7 U.S.C. 2143). Failure to subject to penalties as provid		lations can r	result in an order		ragency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRA Customer Nu		ER: 21-R-0053			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) SUNY COLLEGE OF TECHNOLOGY 454 DELHI DRIVE DELHI, NY 13753 Telephone:					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		experiments, conducted in the animals a anesthetic, au have adverse interpretation surgery, or to producing pa	Number of animals upon which teaching, periments, research, surgery, or tests were nducted involving accompanying pain or distress to a animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would ve adversely affected the procedures, results, or erpretation of the teaching, research, experiments, gery, or tests. (An explanation of the procedures aducing pain or distress on these animals and the usons such drugs were not used must be attached to s report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	14		0		14		
5 Cats	0	0	17		0			17	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	6		0			6	
10 Sheep	0	0	20		0			20	
11 Pigs	0	0	1		0			1	
12 Other Animals	0	0	52		0			52	
Domestic Horse	0	0	15		0			15	
Cattle / Cow / Ox / Watusi	0	0	25		0			25	
Domestic Goat	0	0	11		0			11	
Alpaca	0	0	1		0			1	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 03-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 21-R-0196 er: 10866			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) SUNY STATE COLLEGE OF OPTOMETRY 33 WEST 42ND STREET NEW YORK NEW YORK, NY 10036 Telephone: 2129385532					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgrave, or tester, (An explanation of the procedures)		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	19	4	3		0			7	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Nov-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 93-R-0003 er: 1183				
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) SUTTER INSTITUTE FOR MEDICAL RESEARCH c/o Research Laboratory P.O. Box 160727 br/> SACRAMENTO, CA 95816 Telephone: 9168877175								ess, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or test (<i>A</i>) and any any more of the procedures.		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	3	0	56		0			56		
11 Pigs	4	0	138		0			138		
12 Other Animals	0	0	0 0					0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 23-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			llations can r	result in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 23-R-0020 Customer Number: 549						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		ΥY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) SWARTHMORE COLLEGE ANIMAL CARE MANAGER 500 COLLEGE AVE-br/> SWARTHMORE, PA 19081 Telephone: 6103287335						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		experiments, research, surgery, or tests were conducted involving accompanying pain or distress to he animals and for which the use of appropriate inesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, urgery, or test, (An exploration of the procedures		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	50	184	0		0			184		
Degu	50	184	0		0			184		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 23-Nov-2021

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 55-R-0148 er: 334233			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) (TYPE OR PR							e and Addre	ess, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or testr. (A a surgery in or of the procedures)		TOTAL NUMBER OF	
4 Dogs	4	0	123		0			123	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	2	0	104		0			104	
11 Pigs	9	0	448		0			448	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 14-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 21-R-0128 er: 401				
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name USDA, include ZIP Code) SYRACUSE UNIVERSITY OFFICE OF RESEARCH INTEGRITY & PROTECTIONS 100 COLLEGE PLACE SYRACUSE, NY 13244 Telephone:								ss, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tasts. (An explanation of the procedures		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 57-R-0015 Customer Number: 884						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) T R S LABS INC PO Box 168 Watkinsville, GA 30677 Telephone: 7065490764						
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg pro reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	695	32		0			727		
5 Cats	0	8	0		0			8		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	320	0		0			320		
Mongolian gerbil	0	320	0		0			320		

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 03-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 88-R-0008 er: 326183			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as reg USDA, include ZIP Code) Tactical Medicine Research and Training L L C 13310 Palmers Creek Terrace Lakewood Ranch, FL 34202 Telephone: 7024499113							ss, as registered with		
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were involving ying pain or the animals	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, europer, or tester (An avalantice of the procedures)		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	30		0			30	
12 Other Animals	0	0	0 0					0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 02-Dec-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 74-R-0221 er: 334128				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		USDA, includ Tarleton State Office of Spor Box T 0015<1	HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with SDA, include ZIP Code) urleton State University ffice of Sponcered Projects px T 0015 sr/> STEPHENVILLE, TX 76402 elephone: 2549681815						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tasts. (An expension of the procedures)		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	282	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0 0					0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Nov-2021

information unless it display	ed to respond to, a collection of ction is 0579-0036. The time viewing instructions, searching rmation.	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be	w (7 U.S.C. 2143). Failure to subject to penalties as provide	report according to the reguled for in Section 2150.	lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 52-R-0134 er: 500524			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) TEMPLAR MEDICAL LLC 1900 EMELITA DRIVE VIRGINIA BEACH, VA 23456 Telephone: 7576219380					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tasts. (An exploration of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	67		0			67	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 06-Jan-2022

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 23-R-0027 Customer Number: 328						
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) TEMPLE UNIVERSITY MEDICAL EDUCATION & RESEARCH BUILDING RM 537 3500 N BROAD STREET PHILADELPHIA, PA 19140 Telephone: 2155506456				
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		Number of animals upon which teaching, periments, research, surgery, or tests were nducted involving accompanying pain or distress to e animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would ve adversely affected the procedures, results, or terpretation of the teaching, research, experiments, rgery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the asons such drugs were not used must be attached to is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	16		0			16		
5 Cats	0	0	43		0			43		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	41		0			41		
11 Pigs	0	0	82		0			82		
12 Other Animals	0	660	0		0			660		
Big brown bat	0	660 0						660		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 23-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 63-V-0002 er: 937			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) TENNESSEE VALLEY HEALTHCARE SYSTEM 1310 24TH AVENUE, SOUTH NASHVILLE, TN 37212 Telephone: 6158736970								ss, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were		exp con the ane hav inte surg pro reas	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, current or tester. (An explanation of the procedures		TOTAL NUMBER OF	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0					0	
12 Other Animals	0	0 0 0						0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 12-Oct-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036
This report is required by law to cease and desist and to be			lations can r	esult in an order	ŗ	Interagency Report Control No. 0180-DOA-AN	-	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 74-R-0233 er: 1498		
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Texas A & M Agrilife Research 600 John Kimbrough Blvd Suite 512 br/> COLLEGE STATION, TX 77843 Telephone: 9798458486						
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A	ttach additional	sheet	ts, if necessary, or use APHIS FORM 70	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expe cond the a anes have inter surg prod reas	Number of animals upon which teaching, periments, research, surgery, or tests were onducted involving accompanying pain or distress to e animals and for which the use of appropriate testhetic, analgesic, or tranquilizing drugs would we adversely affected the procedures, results, or terpretation of the teaching, research, experiments, rgery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the asons such drugs were not used must be attached to is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0			0
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	0	0	0		0			0
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	0	0		0			0
11 Pigs	0	0	0		0			0
12 Other Animals	20	12	0		0			12
Brow-antlered deer / Eld's deer	13	12	0		0			12
Sable antelope	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

information unless it display required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order	:]	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		MBER: 74-R-0012 99				
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Texas A & M University Animal Welfare Office 1186 TAMU br/> COLLEGE STATION, TX 77843 Telephone: 9794581467				
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)										
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were		E. Numb experime conducte the anima anesthetic have advi interpreta surgery, o producing	Number of animals upon which teaching, eriments, research, surgery, or tests were ducted involving accompanying pain or distress to animals and for which the use of appropriate sthetic, analgesic, or tranquilizing drugs would e adversely affected the procedures, results, or rpretation of the teaching, research, experiments, gery, or tests. (An explanation of the procedures ducing pain or distress on these animals and the ions such drugs were not used must be attached to report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	107	15		0			122		
5 Cats	2	9	0		0			9		
6 Guinea Pigs	117	45	36		104			185		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	16	5		23			44		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	322	200		0			522		
11 Pigs	0	156	70		18			244		
12 Other Animals	54	187	387		0			574		
Cattle / Cow / Ox / Watusi	0	86	88		0			174		
Ring-tailed lemur	3	0	0		0			0		
Llama	2	0	0		0			0		
Domestic Goat	2	21	246		0			267		
Brazilian free-tailed bat	10	2	28		0			30		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 13-Apr-2022

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be s	v (7 U.S.C. 2143). Failure to subject to penalties as provid	report according to the regulated for in Section 2150.	lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021		
	DEPARTMENT OF A IT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL	REGISTRAT		N NUMBER: 74-R-0012 er: 1499				
	ATION SHEET Γ OF RESEARC (TYPE OR PRINT	H FACILITY		USDA, includ Texas A & M Animal Welfa	de ZI Univ ure O 	versity)ffice > COLLEGE STATION, TX 77843	e and Addre	ss, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte sur pro rea	, Number of animals upon which teaching, periments, research, surgery, or tests were nuducted involving accompanying pain or distress to is animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would ave adversely affected the procedures, results, or terpretation of the teaching, research, experiments, urgery, or tests. (An explanation of the procedures roducing pain or distress on these animals and the asons such drugs were not used must be attached to is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
Serval	5	0	0		0			0		
Canadian lynx	1	0	0		0			0		
White-tailed deer	21	20	0		0			20		
Domestic Horse	2	54	25		0			79		
Elk	1	0	0		0			0		
Black-footed ferret	0	4	0		0			4		
Grevy's zebra	3	0	0		0			0		
Eastern grey kangaroo	2	0	0		0			0		
Dromedary camel	2	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (LO.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 13-Apr-2022

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 74-R-0218 er: 326903			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Texas A & M University-Commerce P.O. Box 3011 COMMERCE, TX 75429 Telephone: 9038865766								ess, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tasts. (An explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	1	0	0		0			0	
11 Pigs	2	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 13-Oct-2021

According to the Paperwork I information unless it displays required to complete this info existing data sources, gatherin	о	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be s			lations can r	esult in an order	Inte	eragency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRA' Customer Nu		BER: 74-R-0094	•		
ANNUAL REI	PORT OF RESE. (TYPE OR PRINT		Y	2. HEADQU USDA, inclua Texas A & M M S C 201, 70 KINGSVILLE Telephone: 30	le ZIP Code) University-K 00 University 2, TX 78363		ne and Addre	ss, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		experiments conducted in the animals anesthetic, a have advers interpretatio surgery, or t producing p	. Number of animals upon which teaching, speriments, research, surgery, or tests were onducted involving accompanying pain or distress to ea animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would ave adversely affected the procedures, results, or terpretation of the teaching, research, experiments, trgery, or tests. (An explanation of the procedures roducing pain or distress on these animals and the asons such drugs were not used must be attached to is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	17		0		17		
5 Cats	0	0	25		0			25	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	14		0			14	
11 Pigs	0	0	14		0			14	
12 Other Animals	0	35	40		0			75	
Cattle / Cow / Ox / Watusi	0	8	14		0			22	
White-tailed deer	0	27	0		0			27	
Domestic Goat	0	0	14		0			14	
Domestic Horse 0 0 12 0 12							12		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Dec-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 74-R-0039 er: 1411			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) TEXAS A&M UNIV. HEALTH SCIENCE CENTER Animal Welfare Office 1186 TAMU COLLEGE STATION, TX 77843 Telephone: 9794581467						
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, current, or tasts. (An explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	73		23			96	
8 Rabbits	0	8	0		0			8	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0 0						0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 16-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 74-R-0003 er: 1512			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		OQUARTERS RESEARCH FACILITY (Name and Address, as registered with aclude ZIP Code) omedical Research Institute X 760549 TONIO, TX 78245 ac: 2102589400						
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tasts. (An explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	252	552		650			1454	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	1841	349	703		67			1119	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0 0 0						0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 02-Dec-2021

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 74-R-0046 er: 1501			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Texas Christian University T C U BOX 297024 FORT WORTH, TX 76129 Telephone: 8172577104					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tasts. (An explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0 0					0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 02-Dec-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 74-R-0037 Customer Number: 1478						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	ΥY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) TEXAS HEART INSTITUTE P.O. BOX 20345 HOUSTON, TX 77225 Telephone: 8323553792							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surj pro reas	2. Number of animals upon which teaching, xperiments, research, surgery, or tests were onducted involving accompanying pain or distress to he animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would ave adversely affected the procedures, results, or nterpretation of the teaching, research, experiments, urgery, or tests. (An explanation of the procedures roducing pain or distress on these animals and the easons such drugs were not used must be attached to his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	2	0		0			2		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	1	8	0		0			8		
11 Pigs	2	58	0		0			58		
12 Other Animals	5	12	0		0			12		
Cattle / Cow / Ox / Watusi	5	12	0		0			12		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 04-Dec-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 74-R-0146 er: 1592		
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Texas Parks & Wildlife Department 2625 F M 1340 HUNT, TX 78024 Telephone: 8302384483						
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY (A	ttach additional	sheet	ts, if necessary, or use APHIS FORM 7(023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		exp con- the ane: hav inte surg proo reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to he animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0			0
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	0	0	0		0			0
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	0	0		0			0
11 Pigs	0	0	0		0			0
12 Other Animals	40	344	7		0			351
Wild boar	40	62	0		0			62
White-tailed deer	0	282	7		0			289

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 74-R-0048 er: 1514				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	USDA, include Texas State U 601 UNIVERS	le ZI Inive SITY r/> S	rsity DRIVE AN MARCOS, TX 78666	e and Addre	ss, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whice teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached this report.)		e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 12-Oct-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be	v (7 U.S.C. 2143). Failure to subject to penalties as provid	report according to the reguled for in Section 2150.	lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 74-R-0050 Customer Number: 1481						
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, USDA, include ZIP Code) Texas Tech University H S C 3601 4th Street STOP 9001 Room BC101 < br/> LUBBOCK, TX 79430 Telephone: 8067439189								ess, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, currary, or tast; (An explanation of the procedures)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	14		0			14		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 08-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	-	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 74-R-0108 er: 1480		
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Texas Tech University Animal Care Services Box 43132 LUBBOCK, TX 79409 Telephone: 806-742-3853						
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A	ttach additional	shee	ts, if necessary, or use APHIS FORM 7	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		exp con- the ane: hav inte surg proo reas	C. Number of animals upon which teaching, xperiments, research, surgery, or tests were onducted involving accompanying pain or distress to he animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would ave adversely affected the procedures, results, or nterpretation of the teaching, research, experiments, urgery, or tests. (An explanation of the procedures roducing pain or distress on these animals and the easons such drugs were not used must be attached to his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	23	3		0			26
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	0	0	0		0			0
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	0	0		0			0
11 Pigs	0	18	0		9			27
12 Other Animals	28	7	0		0			7
White-tailed deer	28	0	0		0			0
Domestic Horse	0	7	0		0			7

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 10-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC	GRICULTURE AND CTION SERVICE	MAL	REGISTRAT Customer Nu		N NUMBER: 74-R-0217 er: 333909				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	ARCH FACILIT	Y	2. HEADQU USDA, includ Texas Vet Lab 1702 North Ba SAN ANGELC Telephone: 32	le ZI b Inc cell Si O, TY	: treet X 76903	e and Addre	ss, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whice teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	5	0		0			5		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 03-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be	v (7 U.S.C. 2143). Failure to subject to penalties as provid	report according to the regulated for in Section 2150.	lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 74-R-0040 er: 1482				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	USDA, includ TEXAS WOM OFFICE OF I	le ZII IANS RES . 619<	UNIVERSITY AND SPONSORED PROGRAMS (br/> DENTON, TX 76204	e and Addre	ess, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	exp con- the ane: hav inte surg proo reas	Number of animals upon which teaching eriments, research, surgery, or tests wer ducted involving accompanying pain or animals and for which the use of approj sthetic, analgesic, or tranquilizing drugs e adversely affected the procedures, res erpretation of the teaching, research, exp gery, or tests. (An explanation of the pro- ducing pain or distress on these animals sons such drugs were not used must be a report.)	distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0 0					0		
12 Other Animals	0	0	0 0					0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 28-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 74-R-0204 er: 326234		
ANNUAL RE	Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) The Austin Savanna L L C 12200 Carl Rd. BUDA, TX 78610 Telephone: 5124211300						
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional	shee	ts, if necessary, or use APHIS FORM 70	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg proo reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to he animals and for which the use of appropriate unesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or nterpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures oroducing pain or distress on these animals and the easons such drugs were not used must be attached to his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0			0
5 Cats	2	0	1		0			1
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	0	0	0		0			0
9 Non-Human Primates	0	4	0		0			4
10 Sheep	0	0	0		0			0
11 Pigs	0	0	0		0			0
12 Other Animals	3	0	2		0			2
Black rhinoceros	0	0	1		0			1
Giraffe	3	0	1		0			1

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

information unless it displays	ed to respond to, a collection of ction is 0579-0036. The time viewing instructions, searching rmation.	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 13-R-0011 er: 14681				
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) THE BINDING SITE VT INC 3697 ROUTE 144 FAIRHAVEN, VT 05743 Telephone: 8025372827								ess, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	exp con the ane hav inte sur pro rea	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	336	1019		0			1355		
11 Pigs	0	0	0 0			0		0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 20-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 14-R-0211 er: 333514				
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered USDA, include ZIP Code) THE BROAD INSTITUTE 415 MAIN ST CAMBRIDGE, MA 02142 Telephone: 6177147000								ess, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	23	19	6		0			25		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	55	68	24		0			92		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0	0			0			

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order	- In	teragency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		BER: 16-R-0039				
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) THE C T AGRICULTURE EXPERIMENT STATION 123 HUNTINGTON STREET BOX 1106 NEW HAVEN, CT 06504 Telephone:				
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)										
А.	В.	C.		D. Number of animals upon which experiments,		of animals upon which teachin ts, research, surgery, or tests we		F.		
Animals Covered By The	Number of animals being bred, conditioned, or held	Number of animals upon which teaching, research,	teaching, re surgery, or	esearch, tests were	conducted the animals	involving accompanying pain or s and for which the use of appro-	or distress to opriate	TOTAL NUMBER OF		
Animal Welfare Regulations	for use in teaching, testing, experiments,	experiments, or tests were conducted involving no pain, distress, or use of		ying pain or	have adver	analgesic, or tranquilizing drug sely affected the procedures, re on of the teaching, research ex-	rocedures, results, or research, experiments, tion of the procedures these animals and the	ANIMALS		
	research, or surgery but not yet used for such purposes	pain-relieving drugs.			surgery, or producing	tests. (An explanation of the pr pain or distress on these animal ch drugs were not used must be	rocedures s and the	(Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	2	0		0			2		
7 Hamsters	0	0	0		0			0		
8 Rabbits	1	2	0		0			2		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	16	99	173		0			272		
House mouse / lab mouse	16	8	150		0			158		
Brow-antlered deer / Eld's deer	0	0	23		0			23		
Eastern chipmunk	0	80	0		0			80		
American least shrew	0	7	0		0			7		
American red squirrel	0	2	0		0			2		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

information unless it displays	quired to respond to, a collection of ollection is 0579-0036. The time or reviewing instructions, searching nformation.	01	MB APPROVED 0579-0036					
This report is required by law to cease and desist and to be			ations can r	esult in an order	Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 16-R-0039 Custoner Number: 61				
	ATION SHEET Γ OF RESEARCI (TYPE OR PRINT		USDA, inclua THE C T AGI 123 HUNTIN	ARTERS RESEARCH FACILITY (Name le ZIP Code) RICULTURE EXPERIMENT STATION GTON STREET r/> NEW HAVEN, CT 06504	e and Addre	ss, as registered with		
REPORT OF ANIMALS US	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(A	ttach additional	sheets, if necessary, or use APHIS FORM 7	023A.)		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teachin experiments, research, surgery, or tests we conducted involving accompanying pain o the animals and for which the use of appro anesthetic, analgesic, or tranquilizing drug have adversely affected the procedures, res interpretation of the teaching, research, exp surgery, or tests. (An explanation of the pr producing pain or distress on these animals reasons such drugs were not used must be this report.)	re r distress to priate s would sults, or periments, ocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
Eastern cottontail rabbit	0	1	0 0 1				1	
Black-banded squirrel	0	1	0	0 0 1				

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Exceutive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 93-R-0563 er: 331288				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) The California Medical Innovations Institute Inc. 11107 Roselle St., Ste 211 SAN DIEGO, CA 92121 Telephone: 6192508028							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached this report.)		e distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	3		0			3		
11 Pigs	0	0	59		0			59		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 28-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 23-R-0183 er: 333459				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) The Corporation of Haverford College 370 Lancaster Avenue Haverford, PA 19041 Telephone: 6108961000						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	r tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		e distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 15-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 10-R-0005 Customer Number: 70						
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) (TYPE OR PR								ss, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distres the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experimer surgery, or tests. (An explanation of the procedure producing pain or distress on these animals and th reasons such drugs were not used must be attached this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	2	9		0			11		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	51	0		0			51		
8 Rabbits	0	1	0		0			1		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	3		0			3		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	is 0579-0036. The time ing instructions, searching	о	OMB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	:	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		JMBER: 51-R-0006 1				
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) THE JOHNS HOPKINS UNIVERSITY 265 GARLAND HALL 3400 N CHARLES STREET br/>BALTIMORE, MD 21218 Telephone: 4105502773					
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	anesthetic, analgesic, or tranquilizing drugs were		E. Num experim conduct the anim anesthet have ad interpret surgery, producin reasons	Number of animals upon which teaching, periments, research, surgery, or tests were nducted involving accompanying pain or distress e animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would ve adversely affected the procedures, results, or erpretation of the teaching, research, experiments 'gery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the isons such drugs were not used must be attached to s report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	35		0			35		
5 Cats	0	0	12		0		12			
6 Guinea Pigs	0	93	192		0			285		
7 Hamsters	14	400	129		0			529		
8 Rabbits	87	945	580		0			1525		
9 Non-Human Primates	191	52	175		0			227		
10 Sheep	0	0	17		0			17		
11 Pigs	0	18	781		0			799		
12 Other Animals	196	81	106		0			187		
Black-footed ferret	0	0	70		0			70		
Chinchilla	0	0	17		0			17		
Deer mouse	0	11	0		0			11		
Egyptian fruit bat	32	6	0		0			6		
Seba's short-tailed bat	62	5	2		0			7		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 07-Dec-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This report is required by law (7 U.S.C. 2143). Failure to report according to the regulations can result in an order Interagency Report Control							
This report is required by law to cease and desist and to be s			ations can r	esult in an order	Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 51-R-0006 Custoner Number: 81				
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) THE JOHNS HOPKINS UNIVERSITY 265 GARLAND HALL 3400 N CHARLES STREET br/> BALTIMORE, MD 21218 Telephone: 4105502773				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(At	ttach additional	sheets, if necessary, or use APHIS FORM 7	023A.)		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D . Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		E. Number of animals upon which teaching experiments, research, surgery, or tests wer conducted involving accompanying pain or the animals and for which the use of approg anesthetic, analgesic, or tranquilizing drugs have adversely affected the procedures, res interpretation of the teaching, research, exp surgery, or tests. (An explanation of the pro producing pain or distress on these animals reasons such drugs were not used must be a this report.)	re r distress to priate s would sults, or periments, ocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
Pallas's long-tongued bat	2	0	0		0		0	
Big brown bat	100	59	17		0		76	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Exceutive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 07-Dec-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	result in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 58-R-0021 Customer Number: 868						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) THE MANNHEIMER FOUNDATION INC 20255 S W 360 STREET HOMESTEAD, FL 33034 Telephone: 3052451551							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whice teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	exp con the ane hav inte surg pro reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiment surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	4285	292	31		0			323		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 16-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036
	w (7 U.S.C. 2143). Failure to subject to penalties as provide		lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		NUMBER: 93-R-0475 r: 3768		
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) THE MARINE MAMMAL CENTER 2000 BUNKER ROAD SAUSALITO, CA 94965 Telephone: 4152897326				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A)	ttach additional i	sheets	s, if necessary, or use APHIS FORM 7	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		expe cond the a anest have interj surge produ	2. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distres he animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or nterpretation of the teaching, research, experimen urgery, or tests. (An explanation of the procedure roducing pain or distress on these animals and the easons such drugs were not used must be attached his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0			0
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	0	0	0		0			0
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	0	0		0			0
11 Pigs	0	0	0		0			0
12 Other Animals	0	149	0		0			149
California sea lion	0	2	0		0			2
Northern elephant seal	0	127	0		0			127
Harbor seal	0	20	0		0			20

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL		REGISTRATION NUMBER: 74-R-0226 Customer Number: 42194				
ANNUAL RE	TERS RESEARCH FACILITY (Name P Code) T HOSPITAL RESEARCH INSTITUTE 7030 118685	e and Addre	ss, as registered with						
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A)	ttach additional i	shee	ts, if necessary, or use APHIS FORM 7(023A.)		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distre the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs woul- have adversely affected the procedures, results, o interpretation of the teaching, research, experime surgery, or tests. (An explanation of the procedur producing pain or distress on these animals and th reasons such drugs were not used must be attache this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	1		0			1	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	49		0			49	
9 Non-Human Primates	0	0	12		0			12	
10 Sheep	0	0	21		0			21	
11 Pigs	0	0	30		0			30	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 08-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 50-R-0009 Customer Number: 47						
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY USDA, include ZIP Code) THE NEMOURS FOUNDATION 1600 ROCKLAND RD WILMINGTON, DE 19803 Telephone: 3026516860							e and Addre	ess, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	14		0			14		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 28-Oct-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching 0579-0036 0579-0036 0579-0036									
This report is required by law to cease and desist and to be s			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		NUMBER: 31-R-0014 r: 216			
ANNUAL RE	PORT OF RESE. (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) THE OHIO STATE UNIVERSITY OFFICE OF RESPONSIBLE RESEARCH PRACTICES 300 RESEARCH FOUNDATION BLDG, 1960 KENNY RD COLUMBUS, OH 43210 Telephone: 6142920830					
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional	sheets	s, if necessary, or use APHIS FORM 7	7023A.)		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		expe cond the a anes have inter surga prod reaso	Number of animals upon which teaching, periments, research, surgery, or tests were nducted involving accompanying pain or distress e animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would ve adversely affected the procedures, results, or terpretation of the teaching, research, experiments rgery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the asons such drugs were not used must be attached is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	58		0		58		
5 Cats	0	0	6		0			6	
6 Guinea Pigs	0	4	106		0			110	
7 Hamsters	0	0	260		0			260	
8 Rabbits	0	3	128		0			131	
9 Non-Human Primates	0	0	14		0			14	
10 Sheep	0	0	3		0			3	
11 Pigs	0	2	682		1			685	
12 Other Animals	12	0	1140		0			1140	
Hispid cotton rat	0	0	1014		0			1014	
Cattle / Cow / Ox / Watusi	12	0	36		0			36	
Domestic Horse	0	0	52		0			52	
Domestic Ferret	0	0	38		0			38	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 23-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036					
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 14-R-0010 Customer Number: 106				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) THE SCHEPENS EYE RESEARCH INSTITUTE 20 STANIFORD STREET BOSTON, MA 02114 Telephone:					
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A)	ttach additional :	shee	ts, if necessary, or use APHIS FORM 70	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whice teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distres the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experimen surgery, or tests. (An explanation of the procedure producing pain or distress on these animals and th reasons such drugs were not used must be attached this report.)		distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0			0
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	12		0			12
7 Hamsters	0	0	0		0			0
8 Rabbits	0	0	84		0			84
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	0	0		0			0
11 Pigs	0	0	0		0			0
12 Other Animals	0	0	0		0			0

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 23-Nov-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	о	MB APPROVED 0579-0036								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 86-R-0003 Customer Number: 1044						
ANNUAL RE	PORT OF RESE. (TYPE OR PRINT		Y	USDA, includ THE UNIVER 1501 N. CAM	le ZIP Coo RSITY OF IPBELL A 5092 >	ARIZONA VE., ROOM 1126 • TUCSON, AZ 85724	e and Addre	ess, as registered with		
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)										
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		experime conducte the anim anestheti have adv interpret surgery, producin reasons	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0		0			
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	27		0			27		
8 Rabbits	0	57	15		0			72		
9 Non-Human Primates	0	0	20		0			20		
10 Sheep	0	43	6		0			49		
11 Pigs	0	3	63		0			66		
12 Other Animals	0	89	39		0			128		
Cattle / Cow / Ox / Watusi	0	29	34		0			63		
Big brown bat	0	33	0		0			33		
Domestic Ferret	0	0	5		0			5		
Domestic Horse	0	27	0		0			27		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching 0579-0 existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		NUMBER: 33-R-0151 r: 577		
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) THE UNIVERSITY OF CHICAGO 5841 S MARYLAND AVE, MC1030 CHICAGO, IL 60637 Telephone: 7738344765				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A	ttach additional .	sheets	s, if necessary, or use APHIS FORM 7	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expe cond the a anes have inter surge prod rease	C. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to he animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or nterpretation of the teaching, research, experiments, urgery, or tests. (An explanation of the procedures oroducing pain or distress on these animals and the easons such drugs were not used must be attached to his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0			0
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	143		0			143
8 Rabbits	0	0	8		0			8
9 Non-Human Primates	0	0	44		0			44
10 Sheep	0	0	0		0			0
11 Pigs	0	0	37		0			37
12 Other Animals	0	0	20		0			20
Domestic Ferret	0	0	8		0			8
Grey four-eyed opossum	0	0	12		0			12

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL	REGISTRAT Customer Nu		N NUMBER: 72-R-0009 er: 1393			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) THE UNIVERSITY OF LOUISIANA-MONROE 1800 Bienville Drive MONROE, LA 71201 Telephone: 3183421025								ess, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, survey or tests. (An explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Dec-2021

information unless it display required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 63-R-0126 er: 43010			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) THE UNIVERSITY OF TENNESSEE - CHATTANOOGA 615 MC CALLIE AVENUE 109 RACE HALL DEPT 4915 CHATTANOOGA, TN 37403 Telephone: 4234254315						
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, current, or tests. (An explanation of the procedures)		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0 0			0	0			

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

information unless it display required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 74-R-0216 Customer Number: 321004					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) The University of Texas Rio Grande Valley I West University Blvd. BRHB 2.210 br/> BROWNSVILLE, TX 78520 Telephone: 9568827731					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg pro reas	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or teater (An exploration of the procedures)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	1167	6	1217		0			1223	
Grey short-tailed opossum	1167	6	1217		0			1223	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

information unless it displays	ed to respond to, a collection of ction is 0579-0036. The time viewing instructions, searching rmation.	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 23-R-0055 er: 340			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) THE WISTAR INSTITUTE 3601 SPRUCE STREET PHILADELPHIA, PA 19104 Telephone: 2154956895								ess, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (A a exploration of the procedures)		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0 0						0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 51-R-0046 er: 745			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) THOMAS D MORRIS INC 4001 MILLENDER MILL ROAD REISTERSTOWN, MD 21136 Telephone: 4103566780					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	4		0			4	
11 Pigs	1	2	73		0			75	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 10-Jan-2022

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 23-R-0011 er: 285			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as reg USDA, include ZIP Code) THOMAS JEFFERSON UNIVERSITY 1020 LOCUST ST PHILADELPHIA, PA 19107 Telephone: 215-955-3900; 215-503-9893							ss, as registered with		
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	esearch, tests were involving ying pain or the animals	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, currently a task. (A analysis of the procedures)		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		75			75	
8 Rabbits	0	0	19		0			19	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	4		0			4	
12 Other Animals	0	0 0			0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
	w (7 U.S.C. 2143). Failure to subject to penalties as provide		lations can r	result in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 11-R-0027 er: 39947				
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) THOMAS WALSH 52 LEBANON RD NORTH BERWICK, ME 03906 Telephone: 2076764405								ess, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tasts. (An exploration of the procedures		TOTAL NUMBER OF			
4 Dogs	0	0	0		0	-		0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	6	0	24		0			24		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0 0						0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Dec-2021

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be	w (7 U.S.C. 2143). Failure to subject to penalties as provide		lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 71-R-0111 er: 41479				
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Tier 1 Group, LLC 3100 Angeletti Road CRAWFORDSVILLE, AR 72327 Telephone: 866.496.9916 x1811							ess, as registered with			
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (A explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0	-		0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	1598		0			1598		
12 Other Animals	0	0 0						0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

information unless it displays	ed to respond to, a collection of ction is 0579-0036. The time viewing instructions, searching rmation.	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 52-R-0129 er: 327195			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) TIER ONE QUALITY SOLUTIONS P O BOX 10537 VIRGINIA BEACH, VA 23450 Telephone: 7574254961						
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tests. (An explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0 0						0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 51-R-0099 Customer Number: 86						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) TOWSON UNIVERSITY OFFICE OF SPONSORED PROGRAMS AND RESEARCH 8000 YORK RD br/> TOWSON, MD 21252 Telephone: 4107042236						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		Number of animals upon which teaching, periments, research, surgery, or tests were onducted involving accompanying pain or distress to e animals and for which the use of appropriate testhetic, analgesic, or tranquilizing drugs would we adversely affected the procedures, results, or terpretation of the teaching, research, experiments, rgery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the asons such drugs were not used must be attached to is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	4	0		0			4		
Sugar glider	0	4	0		0			4		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 06-Jan-2022

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 14-R-0101 Customer Number: 147					
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Toxikon Corporation 15 WIGGINS AVE BEDFORD, MA 01730 Telephone: 7812753330								
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, current, or tests. (An explanation of the procedures		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	134	36		0			170	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	12908	24		788	7		20819	
7 Hamsters	0	146	0		0			146	
8 Rabbits	0	689	1153		8			1850	
9 Non-Human Primates	2	0	6		0			6	
10 Sheep	0	16	4		0			20	
11 Pigs	0	0	16		0			16	
12 Other Animals	0	0	0 0			0			

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	J	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 42-R-0031 er: 1653				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) TRANS OVA GENETICS 2938 380 STREET SIOUX CENTER, IA 51250 Telephone: 712-441-5635; 712-722-3586						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, wrazy, or tests. (An avalangtion of the procedures		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	7	165	1		0			166		
Cattle / Cow / Ox / Watusi	7	165	1		0			166		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Nov-2021

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
	w (7 U.S.C. 2143). Failure to subject to penalties as provide		lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 14-R-0203 er: 30932				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) TRANSMEDICS INC 200 MINUTEMAN RD SUITE 302 br/> ANDOVER, MA 01810 Telephone: 9785520900							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery tasts. (An explanation of the procedures)					
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	7	0	136		0			136		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 11-Oct-2021

information unless it display required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 74-R-0220 er: 335142				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Travis Glass 4106 County Road 309 LEXINGTON, TX 78947 Telephone: 5129647331						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (A explanation of the procedures					
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	89	0		0			89		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 12-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 56-R-0004 er: 902			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) TRI-COUNTY TECHNICAL COLLEGE VETERINARY TECHOLOGY DEPT 7900 HWY 76, PO BOX 587 br/> PENDLETON, SC 29670 Telephone: 8646461547					
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A	ttach additional s	sheet	ts, if necessary, or use APHIS FORM 70	023A.)		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whice teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery creates, (A a exploration of the procedures)		TOTAL NUMBER OF		
4 Dogs	0	0	51		0			51	
5 Cats	0	0	30		0			30	
6 Guinea Pigs	2	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 06-Jan-2022

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be	v (7 U.S.C. 2143). Failure to subject to penalties as provide	report according to the reguled for in Section 2150.	lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 56-R-0109 er: 11563				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) TRIDENT TECHNICAL COLLEGE VET TECH PROG PO BOX 118067, 7000 RIVERS AVE CHARLESTON, SC 29423 Telephone: 8434428414						
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A)	ttach additional	sheet	ts, if necessary, or use APHIS FORM 7(023A.)			
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments,		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	40		0			40		
5 Cats	0	0	33		0			33		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching 0579-0036 0579-0036 0579-0036								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	-	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		NUMBER: 91-R-0054 ar: 15097			
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) TRIPLE J FARMS & KENT LABS 777 JORGENSEN PLACE BELLINGHAM, WA 98226 Telephone: 3603989512							
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A)	ttach additional	sheets	s, if necessary, or use APHIS FORM 70	023A.)		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expe cond the a anes have inter surg prod rease	Number of animals upon which teaching, periments, research, surgery, or tests were inducted involving accompanying pain or distress i a animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would ve adversely affected the procedures, results, or erpretation of the teaching, research, experiments, regery, or tests. (An explanation of the procedures ducing pain or distress on these animals and the usons such drugs were not used must be attached to s report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	24	14	0		0			14	
Llama	12	7	0		0			7	
Domestic Goat	Domestic Goat 12 7 0				0			7	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 06-Jan-2022

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 95-F-0001 er: 1205				
ANNUAL RE	PORT OF RESE. (TYPE OR PRINT		Ŷ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) TRIPLER ARMY MEDICAL CENTER DEPT. OF CLINICAL INVESTIGATION (M C H K - C I) I JARRETT WHITE ROAD, BLDG 40 TRIPLER ARMY HOSPITAL, HI 96859 Telephone: 8084337163						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re surgery, or conducted accompany distress to and for wh anesthetic,	tests were	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	2	0	31		0			31		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 03-Nov-2021

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 21-R-0239 er: 333278				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) TRUDEAU INSTITUTE INC 154 ALGONQUIN AVE SARANAC LAKE, NY 12983 Telephone: 5188913080						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tasts. (An explanation of the procedures					
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	40		0			40		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 04-Oct-2021

information unless it displays	iewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		NUMBER: 12-R-0001 r: 166				
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) TRUSTEES OF DARTMOUTH COLLEGE 6004 PARKHURST HALL HANOVER, NH 03755 Telephone: 6036461408				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A	ttach additional .	sheets	s, if necessary, or use APHIS FORM 7	023A.)			
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		experience condition the automatic anest have interpole surge produ- reaso	. Number of animals upon which teaching, xperiments, research, surgery, or tests were onducted involving accompanying pain or dis a animals and for which the use of appropriate anises of the teaching, research, expering urgery, or tests. (An explanation of the procedures, results therpretation of the teaching, research, expering urgery, or tests. (An explanation of the proced roducing pain or distress on these animals and easons such drugs were not used must be attact is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	1	33		0			34		
12 Other Animals	0	382	50		0			432		
American pine vole	0	377	50		0			427		
Western mastiff bat / Western bonneted bat	0	5	0		0			5		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 19-Nov-2021

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
	w (7 U.S.C. 2143). Failure to subject to penalties as provide		lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 74-R-0231 er: 506165				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) TTUHSC AT EL PASO MSC 31001 5001 El Paso Dr br/> EL PASO, TX 79905 Telephone: 9152154295						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures					
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

information unless it displays	a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	umber for the sponse, inclusion	is information c uding the time for	collector rev	viewing instructions, searching	0	MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 14-R-0082 Customer Number: 140						
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) TUFTS MEDICAL CENTER I A C U C/D L A M I36 HARRISON AVENUE BOSTON, MA 02111 Telephone: 6176365615				
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	6		0			6		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	4		0			4		
7 Hamsters	0	0	55		0			55		
8 Rabbits	0	1	24		114			139		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	197		0			197		
12 Other Animals	0	0	40		0			40		
Deer mouse	0	0	40		0			40		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of nformation unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time equired to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching xisting data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
	w (7 U.S.C. 2143). Failure to e subject to penalties as provid		lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 14-R-0084 er: 141			
ANNUAL RE	EPORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) TUFTS UNIVERSITY I A C U C/D L A M I36 HARRISON AVENUE BOSTON, MA 02111 Telephone: 6176273417					
REPORT OF ANIMALS US	SED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A	ttach additional .	shee	ets, if necessary, or use APHIS FORM 7(023A.)		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	r tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments,		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching obs79-0036 observes, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be s			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A IT HEALTH INSPEC		MAL	REGISTRAT		NUMBER: 72-R-0002 r: 1467				
ANNUAL RE	PORT OF RESE. (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) TULANE UNIVERSITY 1440 Canal St., Suite 2400 #8401 NEW ORLEANS, LA 70112 Telephone: 5049883291						
	1					s, if necessary, or use APHIS FORM 7 umber of animals upon which teachin		F		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		expe cond the a anest have inter surge prod rease	riments, research, surgery, or tests were ucted involving accompanying pain or distress to nimals and for which the use of appropriate thetic, analgesic, or tranquilizing drugs would adversely affected the procedures, results, or pretation of the teaching, research, experiments, ery, or tests. (An explanation of the procedures ucing pain or distress on these animals and the ons such drugs were not used must be attached to report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0		0			
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	69		0			69		
9 Non-Human Primates	4945	262	619		0			881		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	48		0			48		
12 Other Animals	0	0	49		0			49		
Chinchilla	0	0	36		0			36		
African Soft-Furred Rat / Multimammate Mouse	0	0	7		0			7		
Southern multimammate mouse	0	0	1		0			1		
House mouse / lab mouse	0	0	1		0			1		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 23-Nov-2021

information unless it displays	uired to respond to, a collection of ollection is 0579-0036. The time r reviewing instructions, searching formation.	O	MB APPROVED 0579-0036					
This report is required by law to cease and desist and to be s			ations can re	esult in an order	Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021	
	DEPARTMENT OF A IT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 72-R-0002 Custoner Number: 1467				
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				USDA, include TULANE UNI	VERSITY , Suite 2400 #8401 VS, LA 70112	and Addre.	ss, as registered with	
REPORT OF ANIMALS USE	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(At	ttach additional s	heets, if necessary, or use APHIS FORM 70	023A.)		
A. Animals Covered By The Animal Welfare Regulations	nimals Covered By The nimal 'elfare Regulations' Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such			tests were involving ying pain or the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, inch appropriate			TOTAL NUMBER OF	
Norway rat / lab rat (common research/pet variety)	0	0	4		0		4	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Exceutive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 23-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching 0579-0036 of the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	-	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 73-R-0109 er: 1811			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) TULSA COMMUNITY COLLEGE 6111 E SKELLY DR TULSA, OK 74135 Telephone:					
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional	shee	ts, if necessary, or use APHIS FORM 70	023A.)		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg pro reas	Number of animals upon which teaching eriments, research, surgery, or tests wer ducted involving accompanying pain or animals and for which the use of approp sthetic, analgesic, or tranquilizing drugs e adversely affected the procedures, res erpretation of the teaching, research, exp gery, or tests. (An explanation of the pro- ducing pain or distress on these animals sons such drugs were not used must be a ereport.)	re distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	27		0			27	
5 Cats	0	0	13		0			13	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	14		0			14	
Domestic Horse	0	0	8		0			8	
Cattle / Cow / Ox / Watusi 0 0 6 6 0 6							6		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 11-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 63-R-0128 er: 334369				
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARC USDA, include ZIP Code) Turkey Creek Biotechnology, LLC 111 Riverwood Drive Franklin, TN 37069 Telephone: 6153057149							e and Addre	ss, as registered with		
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surj pro reas	Number of animals upon which teachin, beriments, research, surgery, or tests we iducted involving accompanying pain o animals and for which the use of appro- sthetic, analgesic, or tranquilizing drug re adversely affected the procedures, res- erpretation of the teaching, research, exp gery, or tests. (An explanation of the pro- ducing pain or distress on these animals sons such drugs were not used must be a report.)	re r distress to priate s would sults, or periments, ocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	15	0	4					4		
Alpaca	15	0	4		0			4		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 28-Oct-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 33-R-0158 er: 335798				
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) TURNER SCIENTIFIC LLC 1351 Lincoln Ave JACKSONVILLE, IL 62650 Telephone: 2176020306									
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	exp con the ane hav inte surg pro reas	Number of animals upon which teaching beriments, research, surgery, or tests wer aducted involving accompanying pain or animals and for which the use of approp esthetic, analgesic, or tranquilizing drugs ve adversely affected the procedures, res erpretation of the teaching, research, exp gery, or tests. (An explanation of the pro- ducing pain or distress on these animals sons such drugs were not used must be a s report.)	e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	84		60			144		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0 0 0					0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 12-Nov-2021

information unless it displays	ewing instructions, searching	0	MB APPROVED 0579-0036					
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		NUMBER: 64-R-0002 r: 857		
ANNUAL RE	PORT OF RESE. (TYPE OR PRINT	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) TUSKEGEE UNIVERSITY KENNEY HALL 44-320 TUSKEGEE INST, AL 36088 Telephone: 3347278970						
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA		ttach additional	sheets	; if necessary, or use APHIS FORM 70	723A)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. No experi- condit the an anest have interp- surge produ- reaso	umber of animals upon which teaching riments, research, surgery, or tests wer ucted involving accompanying pain or nimals and for which the use of approp thetic, analgesic, or tranquilizing drugs adversely affected the procedures, ress pretation of the teaching, research, exp ery, or tests. (An explanation of the pro ucing pain or distress on these animals ons such drugs were not used must be a report.)	g, e distress to priate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0			0
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	0	0	0		0			0
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	0	0		0			0
11 Pigs	0	0	0		0			0
12 Other Animals	0	39	6		0			45
Domestic Goat	0	3	0		0			3
Cattle / Cow / Ox / Watusi	0	26	0		0			26
Domestic Horse	0	10	6		0			16

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Nov-2021

information unless it displays	s a valid OMB control numb prmation collection is estima	er. The valid OMB control n ted to average 2 hours per re	umber for the sponse, inclusion	is information countries the time for	collector re	viewing instructions, searching	0	MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL	REGISTRATION NUMBER: 74-R-0223 Customer Number: 1759						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	ARCH FACILIT	Ϋ́Υ	2. HEADQUA USDA, include TYLER JUNIC PO Box 9020 TYLER, TX 75 Telephone: 90	le ZI. OR (5701	COLLEGE	e and Addre	ess, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	exp con the ane hav inte surg pro reas	Number of animals upon which teaching beriments, research, surgery, or tests wer aducted involving accompanying pain or animals and for which the use of approp esthetic, analgesic, or tranquilizing drugs we adversely affected the procedures, res erpretation of the teaching, research, exp gery, or tests. (An explanation of the pro ducing pain or distress on these animals sons such drugs were not used must be a s report.)	e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0 0 0				0				
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0 0 0							

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 04-Oct-2021

According to the Paperwork l information unless it displays required to complete this info existing data sources, gatheri	0579-0036. The time instructions, searching	о	MB APPROVED 0579-0036					
This report is required by law to cease and desist and to be			lations can r	esult in an order	Int	teragency Report Control No. 0180-DOA-AN		Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		BER: 74-F-0002		
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) U S Army Medical Dept. Ctr. & School Academy of Health Sciences 3630 Stanley Road br/> JBSA-FORT SAM HOUSTON, TX 78234 Telephone: 2102216573						
REPORT OF ANIMALS US	ED BY OB LINDER CONT	TDOL OF BESEADOU FA	CH ITV/A	und additional	-la -da -iGan		70224	
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals		E. Number experiment conducted the animals anesthetic, have adver interpretati surgery, or producing	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or dis he animals and for which the use of appropria anesthetic, analgesic, or tranquilizing drugs we have adversely affected the procedures, results interpretation of the teaching, research, experin surgery, or tests. (An explanation of the procec producing pain or distress on these animals and reasons such drugs were not used must be attach his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	41		0			41
5 Cats	0	8	0		0			8
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	0	0	0		0			0
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	0	0		0			0
11 Pigs	0	0	54		0			54
12 Other Animals	10	17	800		0			817
Domestic Goat	10	0	800		0			800
Domestic Horse	0	12	0		0			12
Mule	0	5	0		0			5

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 15-Nov-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	-	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 92-F-0004 er: 1262		
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) U S D A - FORESTRY AND RANGE SCIENCES LAB 1401 GEKELER LANE LA GRANDE, OR 97850 Telephone: 5419637122				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional	shee	ts, if necessary, or use APHIS FORM 70	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg proo reas	. Number of animals upon which teaching, xperiments, research, surgery, or tests were onducted involving accompanying pain or distre teanimals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would ave adversely affected the procedures, results, or terpretation of the teaching, research, experimen argery, or tests. (An explanation of the procedure roducing pain or distress on these animals and the easons such drugs were not used must be attache this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0			0
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	0	0	0		0			0
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	0	0		0			0
11 Pigs	0	0	0		0			0
12 Other Animals	0	183	0		0			183
Elk	0	160	0		0			160
Mule deer 0 23 0 0 23							23	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

Bits report is registed by law (7 U.S.C. 2143). Failure to report according to be regulations can itsuit in a outrative case and desist and to be addpict to penalties a provided for it Section 23.9. REGISTRATION NUMBER: 10-F0012 No.0380.COU.AN Fund Year: 3021 This report is registed by law (7 U.S.C. 2143). Failure to report according to be regulations. AND PLANT HEALTH INSPECTION SERVICE REGISTRATION NUMBER: 10-F012 Container Number: 30404 ANITAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) REPORT OF ANIMALS USED BY OR UNDER CONTOL OF RESEARCH FACILITY / Attach additional duets. (Increaser), or use APHIS FORM 7023A! A minate Corered By The Animals big Provide or dammals big report of animals togen and provide of animals big report of animals togen animals of animals big report of animals big report of case and provide tracking, or use APHIS FORM 7023A! A B. D. Number of animals big report of animals big report of animals big report of animals big report of case and provide tracking, or use APHIS FORM 7023A! F. A B. Number of animals big report of animals big	information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching 0579-0036 are completed at a needed, and completing and reviewing the collection of information.									
Summer of animals bring regentions with provide of animals bring regint provide of animals bring regentions with a settemet of animals bring regentions with a settemet of a schema provide of animals bring regentions with a settemet of a schema provide of animals bring regentions with a settemet of a schema provide of animals bring r				lations can r	esult in an order	r			Fiscal Year: 2021		
ANNOLAL KUP CURPTERINT USD A include ZP Code) USD A include ZP Code) USD A include ZP Code) USD A incress Serie Research and Development Series and Series and Series Research and Development Series and Series Research and Series				MAL							
A. A. Animals Covered By The Animals Covered By	ANNUAL RE			ΥY	USDA, include ZIP Code) U S D A Forest Service Research and Development 201 14th Street, S W WASHINGTON, DC 20250						
A. A. Animals Covered By The Animals Covered By The 											
Animal wellfare Regulationsbred, conditioned, or held for use in taching bred, conditioned, or held for use in taching broit yet used for such purposesNature and solution with the use of applyprint conducted involving accompanying pain of distress or task well and of which appropriate and for which appropriate intersection of the tack and gesic, or trangulizing drugs weell and for which appropriate surgery, or tests. (An explanation of the procedures, results, or task solut appropriate and for which app		В.	C. Number of animals upon	D. Number upon which teaching, r	r of animals h experiments, esearch,	E. Nu exper	imber of animals upon which teachin iments, research, surgery, or tests we icted involving accompanying pain o	ng, ere or distress to			
SectorImage: SectorImage: SectorImage: SectorImage: Sector5 Cas0000006 Guinea Pigs0000007 Hansters00000008 Rabbis00000009 Non-Human Primates000000010 Sheep0000000011 Pigs0000000012 Other Animals034220003422000010 Sneep001600000000010 Sheep003600	Animal	bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such	experiments, or tests were conducted involving no pain, distress, or use of	conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		anesth have a interp surger produ reason	thetic, analgesic, or tranquilizing drugs would adversely affected the procedures, results, or pretation of the teaching, research, experiments, ery, or tests. (An explanation of the procedures lucing pain or distress on these animals and the ons such drugs were not used must be attached to		ANIMALS		
A control G Guinea PigsA control G Guinea PigsA control G GuineaA control G GuineaA control G Guinea7 Hansters00000008 Rabbits000000009 Non-Human Primates00000000010 Sheep000	4 Dogs	0	0	0		0			0		
FrankersFrankersFrankersFrankersFrankersFrankersGG9 Rabbis00000009 Non-Human Primates000000010 Sheep0000000011 Figs0000000012 Oher Animals0342000034200Deer mouse01400000Redbat03160004130Bigbrow bat01400000	5 Cats	0	0	0		0			0		
A control 8 RabbinsC control C controlC control C controlC control C control9 Non-Human Primates00000010 Sheep000000010 Sheep000000011 Pigs000000012 Other Animals034220003422Deer mouse017400174Townsend's chipmunk031600316Red bat0140014	6 Guinea Pigs	0	0	0		0			0		
Pon-Human PrimatesRefRefRefRefRefRef9 Non-Human Primates00000010 Sheep000000011 Pigs000000012 Other Animals034220003422Deer mouse0174001740Townsend's chipmunk031600316Big brown bat01400014	7 Hamsters	0	0	0		0			0		
IndexIndexIndexIndexIndexIndexIndex10 Sheep000000011 Pigs000000012 Other Animals034220034223422Deer mouse017400174174Townsend's chipmunk031600316Red bat04130041314Big brown bat0140014	8 Rabbits	0	0	0		0			0		
I Pigs0000012 Other Animals03422003422Deer mouse017400174Townsend's chipmunk031600316Red bat041300413Big brown bat0140014	9 Non-Human Primates	0	0	0		0			0		
ControlControlControlControlControlControl12 Other Animals03422003422Deer mouse017400174Townsend's chipmunk031600316Red bat041300413Big brown bat0140014	10 Sheep	0	0	0		0			0		
And the second	11 Pigs	0	0	0		0			0		
And the second	12 Other Animals	0	3422	0		0			3422		
Red bat041300413Big brown bat0140014	Deer mouse	0	174	0		0			174		
Big brown bat O 14 O O 14	Townsend's chipmunk	0	316	0		0			316		
	Red bat	0	413	0		0			413		
Seminole bat 0 39 0 0 39	Big brown bat	0	14	0		0			14		
	Seminole bat	0	39	0		0			39		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be s			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A IT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 10-F-0012 r: 334046			
	ATION SHEET 1 Γ OF RESEARCI (TYPE OR PRINT	H FACILITY		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) U S D A Forest Service Research and Development 201 14th Street, S W WASHINGTON, DC 20250 Telephone: 7034053823					
REPORT OF ANIMALS US	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(A	tach additional	sheet	s, if necessary, or use APHIS FORM 7	023A.)		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	expe cond the a anes have inter surg prod rease	Number of animals upon which teaching eriments, research, surgery, or tests we ducted involving accompanying pain or animals and for which the use of appro sthetic, analgesic, or tranquilizing drugge adversely affected the procedures, res rpretation of the teaching, research, exp ery, or tests. (An explanation of the pr ducing pain or distress on these animals ons such drugs were not used must be a report.)	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
Hoary bat	0	25	0		0			25	
Eastern pipistrelle	0	124	0		0			124	
Evening bat	0	76	0					76	
Northern flying squirrel	0	101	0	0				101	
Snowshoe hare	0	5	0		0			5	
Bushy-tailed woodrat	0	10	0		0			10	
Western spotted skunk	0	1	0		0			1	
Mountain beaver	0	1	0		0			1	
Woodland jumping mouse	0	1	0		0			1	
Fisher	0	30	0		0			30	
Silver-haired bat	0	14	0		0			14	
Canadian lynx	0	1	0		0			1	
Coyote	0	24	0		0			24	
White-tailed deer	0	49	0		0			49	
California bat	0	20	0		0			20	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Exceutive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Nov-2021

According to the Paperwork l information unless it displays required to complete this info existing data sources, gatherin	0	MB APPROVED 0579-0036					
This report is required by law to cease and desist and to be s			lations can r	esult in an order	Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021
	DEPARTMENT OF A IT HEALTH INSPEC		MAL		TION NUMBER: 10-F-0012		
REPORT	ATION SHEET	H FACILITY		USDA, includ U S D A Fore 201 14th Stre WASHINGTO Telephone: 70	est Service Research and Development et, S W DN, DC 20250 034053823		ess, as registered with
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional	sheets, if necessary, or use APHIS FORM	1 7023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teach experiments, research, surgery, or tests conducted involving accompanying pair the animals and for which the use of app anesthetic, analgesic, or tranquilizing dr have adversely affected the procedures, interpretation of the teaching, research, surgery, or tests. (An explanation of the producing pain or distress on these anim reasons such drugs were not used must b this report.)	were a or distress to propriate ugs would results, or experiments, procedures als and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
Long-footed bat	0	1	0		0		1
Brush mouse	0	1	0		0		1
Common tree shrew	0	11	0		0		11
California rock squirrel	0	154	0		0		154
Golden-mantled ground squirrel	0	140	0		0		140
Alpine chipmunk	0	748	0		0		748
Douglas's squirrel	0	2	0		0		2
Lodgepole chipmunk	0	22	0		0		22
Meadow vole	0	30	0		0		30
Shadow Chipmunk	0	848	0		0		848
Grey red-backed vole 0 7 0			0		0		7
Ermine	0	1	0		0		1
Southeastern bat	outheastern bat 0 19 0 0						19

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Exceutive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching 0579-0036 of 079-0036 of 079-00									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		NUMBER: 84-F-0001 r: 1209				
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) USDA, A P H I S, W S, N W R C 4101 LA PORTE AVENUE FORT COLLINS, CO 80521 Telephone: 9702666000				
	1					s, if necessary, or use APHIS FORM 7				
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		expe cond the a anest have inter surge prod rease	umber of animals upon which teachin, rriments, research, surgery, or tests we lucted involving accompanying pain o mimals and for which the use of appro- thetic, analgesic, or tranquilizing drug adversely affected the procedures, res- pretation of the teaching, research, ex- ery, or tests. (An explanation of the pr- ucing pain or distress on these animals ons such drugs were not used must be report.)	re r distress to priate s would sults, or periments, ocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	6	0		0		6			
5 Cats	0	0	0		0		0			
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	24	0		20			44		
12 Other Animals	56	454	16		148			618		
North American black bear	7	0	0		0			0		
Coyote	27	241	16		7			264		
Eastern cottontail rabbit	0	29	0		0			29		
Indian grey mongoose	0	36	0		44			80		
Norway rat / lab rat (common										

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

According to the Paperwork l information unless it displays required to complete this info existing data sources, gatherin	0	MB APPROVED 0579-0036								
This report is required by law to cease and desist and to be s			lations can re	esult in an order	Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021			
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 84-F-0001 Custoner Number: 1209						
	ATION SHEET Γ OF RESEARCI (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) USDA, A P H I S, W S, N W R C 4101 LA PORTE AVENUE FORT COLLINS, CO 80521 Telephone: 9702666000							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	teaching, re- surgery, or conducted i accompany distress to t and for whi anesthetic,	n experiments, esearch, tests were involving ing pain or	experiments, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
research/pet variety)	0	27	0		65		92			
Raccoon	8	65	0		0		65			
Red fox (includes Silver fox & Cross fox)	6	0	0		0		0			
Striped skunk	8	0	0		0		0			
ARS RATS	0	36	0		32		68			
House mouse / lab mouse	0	20	0		0		20			

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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Date Signed 29-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL		REGISTRATION NUMBER: 35-G-0001 Customer Number: 334470					
ANNUAL RE	ΥY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) U S DAIRY FORAGE RESEARCH CENTER 1925 Linden Drive MADISON, WI 53706 Telephone: 6088900068								
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane: hav inte surg proo	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached t this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	1204	678	0		0			678		
Cattle / Cow / Ox / Watusi	1204	678	0		0			678		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 07-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	result in an order	esult in an order Interagency Report Control Fiscal Yes No. 0180-DOA-AN				
	DEPARTMENT OF A NT HEALTH INSPEC		MAL		REGISTRATION NUMBER: 55-F-0001 Customer Number: 962				
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) U S ENVIRONMENTAL PROTECTION AGENCY US EPA/ORD/ ORM 109 T W ALEXANDER DR RESEARCH TRIANGLE PARK, NC 27701 Telephone: 9195410690							
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional .	shee	ts, if necessary, or use APHIS FORM 7(023A.)		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whick teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, currenty, or tests. (An expendition of the procedures		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	8	0		0			8	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Oct-2021

information unless it display	s a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	number for the sponse, inclusion	nis information co uding the time fo	ollec or rev	viewing instructions, searching	0	MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 47-G-0001 Customer Number: 334103						
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) U S MEAT ANIMAL RESEARCH CENTER PO Box 166 CLAY CENTER, NE 68933 Telephone: 4027624110				
REPORT OF ANIMALS US	PORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg proo reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	1762	5593	283		3			5879		
11 Pigs	15126	3020	0		0			3020		
12 Other Animals	5151	13905	1502		0			15407		
Cattle / Cow / Ox / Watusi	5151	13905	1502		0			15407		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 15-Nov-2021

information unless it displays	a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	umber for the sponse, inclu-	is information c uding the time fo	collee or re	viewing instructions, searching	0	MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order	:	Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 57-G-0001 Customer Number: 334023						
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) U S NATIONAL POULTRY RESEARCH CENTER 950 COLLEGE STATION ROAD ATHENS, GA 30605 Telephone: 7065463460								
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte sur pro rea	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress t the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	4933	1764	156		234	L Contraction of the second seco		2154		
ARS BIRDS	4933	1764	156		234			2154		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

According to the Paperwork information unless it displays required to complete this information existing data sources, gatheri	0	MB APPROVED 0579-0036								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 31-F-0003 Customer Number: 451						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) U.S. ENVIRONMENTAL PROTECTION AGENCY 26 W. ML KING DRIVE CINCINNATI, OH 45268 Telephone: 5135697440						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	nts, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would r have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, riate surgery, or tests. (An explanation of the procedures or producing pain or distress on these animals and the		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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Date Signed 01-Feb-2022

information unless it display required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be	v (7 U.S.C. 2143). Failure to subject to penalties as provid	report according to the regulated for in Section 2150.	lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 14-F-0002 er: 446				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) U.S.ARMY RSCH INST OF ENVIOR MED 10 General Greene Avenue BLDG 42 Room 318 br/> NATICK, MA 01760 Telephone: 5082062175						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	ments, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 06-Oct-2021

information unless it displays	ed to respond to, a collection of ction is 0579-0036. The time viewing instructions, searching mation.	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL		REGISTRATION NUMBER: 16-R-0025 Customer Number: 44					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UCONN HEALTH CENTER 263 FARMINGTON AVENUE FARMINGTON, CT 06030 Telephone: 8606794129						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	esearch, tests were involving ying pain or the animals ich appropriate analgesic, or ng drugs were	iments, experiments, research, surgery, or tests were conducted involving accompanying pain or the animals and for which the use of approp anesthetic, analgesic, or tranquilizing drugs have adversely affected the procedures, resu interpretation of the teaching, research, exp propriate surgery, or tests. (An explanation of the pro producing pain or distress on these animals		e distress to oriate swould ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	46		0			46		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	3	107		0			110		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 20-Oct-2021

information unless it displays	s a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	number for the sponse, inclusion	is information c uding the time fo	collector rev	viewing instructions, searching	0	MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 51-F-0001 Customer Number: 432						
ANNUAL RE	Ϋ́Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIFORMED SERVICES UNIVERSITY OF HEALTH SCIENCES 4301 JONES BRIDGE RD BETHESDA, MD 20814 Telephone: 3012953753								
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg pro reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	41		0			41		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	157	0		8			165		
12 Other Animals	0	248	0		0			248		
Mongolian gerbil	0	248	0		0			248		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 09-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching 0579-0036 existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 21-R-0030 er: 302		
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNION COLLEGE BIOLOGY DEPARTMENT SCHENECTADY, NY 12308 Telephone: 5183886102						
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional	sheet	ts, if necessary, or use APHIS FORM 7	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expected constitutes the a aness have inter surg proc reas	C. Number of animals upon which teaching, xperiments, research, surgery, or tests were onducted involving accompanying pain or distress to he animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would ave adversely affected the procedures, results, or nterpretation of the teaching, research, experiments, urgery, or tests. (An explanation of the procedures roducing pain or distress on these animals and the easons such drugs were not used must be attached to his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0			0
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	0	0	0		0			0
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	0	0		0			0
11 Pigs	0	0	0		0			0
12 Other Animals	0	51	0		0			51
Eastern chipmunk	0	30	0		0			30
White-footed mouse	0	21	0		0			21

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 26-Oct-2021

information unless it displays	a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	umber for the sponse, inclusion	is information c uding the time for	quired to respond to, a collection of ollection is 0579-0036. The time or reviewing instructions, searching information.	0	MB APPROVED 0579-0036			
This report is required by law to cease and desist and to be			lations can r	esult in an order	Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021			
	DEPARTMENT OF A NT HEALTH INSPEC		MAL		TION NUMBER: 10-F-0011 1mber: 322827	_				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNITED STATES DEPARTMENT OF INTERIOR 1849 C STREET NW WASHINGTON, DC 20240 Telephone: 2022083884						
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)										
А.	В.	С.		er of animals ich experiments, experiments, research, surgery, or tests were			F.			
Animals Covered By The	mals Covered By The Number of animals being bred, conditioned, or held experiments, or tests were	teaching, re surgery, or conducted	research, conducted involving accompanying pain or tests were d involving and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs		or distress to propriate ugs would	TOTAL NUMBER OF				
Welfare Regulations te re	testing, experiments,	conducted involving no pain, distress, or use of	distress to	ving pain or the animals	have adversely affected the procedures, a interpretation of the teaching, research, e	experiments,	ANIMALS			
	research, or surgery but not yet used for such purposes	pain-relieving drugs.	anesthetic,	ich appropriate analgesic, or ng drugs were	surgery, or tests. (An explanation of the producing pain or distress on these anim reasons such drugs were not used must b this report.)	als and the	(Cols. C + D + E)			
4 Dogs	0	0	0		0		0			
5 Cats	0	0	0		0		0			
6 Guinea Pigs	0	0	0		0		0			
7 Hamsters	0	0	0		0		0			
8 Rabbits	0	0	0		0		0			
9 Non-Human Primates	0	0	0		0		0			
10 Sheep	0	0	0		0		0			
11 Pigs	0	0	0		0		0			
12 Other Animals	0	1221	244		0		1465			
American pika	0	1	0		0		1			
American beaver	0	68	0		0		68			
Bighorn sheep	0	0	50		0		50			
American bison	0	18	0		0		18			
North American black bear	0	0	41		0		41			

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Jan-2022

information unless it displays	a valid OMB control numb ormation collection is estimation	er. The valid OMB control n ted to average 2 hours per re	umber for th sponse, incl	is information c uding the time fo	collector rev	viewing instructions, searching	0	MB APPROVED 0579-0036
This report is required by law to cease and desist and to be s			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 10-F-0011 Custoner Number: 322827				
REPORT	ATION SHEET	H FACILITY		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNITED STATES DEPARTMENT OF INTERIOR 1849 C STREET NW WASHINGTON, DC 20240 Telephone: 2022083884				ss, as registered with
REPORT OF ANIMALS US	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(A)	tach additional	shee	rts, if necessary, or use APHIS FORM 7	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	exp con the ane hav inte surg proo reas	Number of animals upon which teaching beriments, research, surgery, or tests were iducted involving accompanying pain or animals and for which the use of approp sthetic, analgesic, or tranquilizing drugs we adversely affected the procedures, rese erpretation of the teaching, research, exp gery, or tests. (An explanation of the pro- ducing pain or distress on these animals sons such drugs were not used must be a s report.)	re r distress to priate s would sults, or periments, ocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
Brown bear	0	0	2		0			2
Caribou	0	0	35		0			35
Deer mouse	0	427	0					427
Elk	0	0	14		0			14
Golden-mantled ground squirrel	0	7	0		0			7
Gray wolf / Grey wolf / Timber wolf	0	0	49		0			49
Moose	0	45	22		0			67
Mule deer	0	2	3		0			5
Northern elephant seal	0	610	0		0			610
Pronghorn	0	2	0		0			2
Red fox (includes Silver fox &	0	13	0		0			13
Cross fox)	С	15	5					15
Ringtail	0	6	0		0			6
White-tailed deer	0	0	28		0			28
Dusky-footed woodrat	0	1	0		0			1

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Exceutive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Jan-2022

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This report is required by law (7 U.S.C. 2143). Failure to report according to the regulations can result in an order Interagency Report Control								MB APPROVED 0579-0036
This report is required by law to cease and desist and to be s			ations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	F	Fiscal Year: 2021
	DEPARTMENT OF A IT HEALTH INSPEC		MAL	REGISTRAT		NUMBER: 10-F-0011 322827		
CONTINU REPORT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNITED STATES DEPARTMENT OF INTERIOR 1849 C STREET NW WASHINGTON, DC 20240 Telephone: 2022083884						
REPORT OF ANIMALS US	ED BY OR UNDER CONT				sheets,	, if necessary, or use APHIS FORM 7	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experi- condu- the an anesth have a interp surger produ- reason	umber of animals upon which teachin, iments, research, surgery, or tests we icted involving accompanying pain o himals and for which the use of appro- hetic, analgesic, or tranquilizing drug adversely affected the procedures, res- retation of the teaching, research, exp ry, or tests. (An explanation of the pr- icing pain or distress on these animals in such drugs were not used must be eport.)	re r distress to priate s would sults, or periments, ocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
California vole	0	1	0		0			1
Alpine chipmunk	0	16	0		0			16
Western mastiff bat / Western bonneted bat	0	4	0		0			4

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Exceutive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Jan-2022

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	result in an order	r	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL		REGISTRATION NUMBER: 73-R-0100 Customer Number: 1450				
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIV OF OKLAHOMA-NORMAN 633 ELM ST NORMAN, OK 73019 Telephone: 4053253221					
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		expe cond the a anes have inter surg prod reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distre he animals and for which the use of appropriate unesthetic, analgesic, or tranquilizing drugs woul- ave adversely affected the procedures, results, o nterpretation of the teaching, research, experime: surgery, or tests. (An explanation of the procedure producing pain or distress on these animals and the easons such drugs were not used must be attache his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	253	49		0			302	
Chinchilla	0	0	49		0			49	
Northern grasshopper mouse	0	153	0		0			153	
Cactus mouse	0	100	0		0			100	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 16-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								OMB APPROVED 0579-0036	
This report is required by law to cease and desist and to be s			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A IT HEALTH INSPEC		MAL	REGISTRAT		NUMBER: 63-R-0105 : 843			
ANNUAL REI	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIV OF TENNESSEE KNOXVILLE OFF LAB AN CARE 2415 Fletcher Luck Lane Third Creek Building KNOXVILLE, TN 37996 Telephone: 8659745634				
REPORT OF ANIMAL CLICI			CH FTV/A		-1	, if necessary, or use APHIS FORM 7	20224		
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		E. Nu exper condu- the au anest have interp surge produ reaso	Number of animals upon which teaching, periments, research, surgery, or tests were nducted involving accompanying pain or distress t e animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would ve adversely affected the procedures, results, or terpretation of the teaching, research, experiments, rgery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the asons such drugs were not used must be attached to is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	6	1	24		0			25	
5 Cats	1	0	6		0			6	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	582		0			582	
8 Rabbits	0	2	54		0			56	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	4	24		0			28	
11 Pigs	0	0	107		0			107	
12 Other Animals	0	167	328		0			495	
Domestic Ferret	0	0	6		0			6	
Domestic Goat	0	0	56		0			56	
Domestic Horse	0	31	30		0			61	
Cattle / Cow / Ox / Watusi	0	0	25		0			25	
Alpaca	0	0	7		0			7	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

According to the Paperwork I information unless it displays required to complete this info existing data sources, gatherin	01	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be s			ations can result in a	an order	Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021		
	DEPARTMENT OF A IT HEALTH INSPEC	GRICULTURE AND TION SERVICE		REGISTRATION NUMBER: 63-R-0105 Custoner Number: 843					
	ATION SHEET Γ OF RESEARCI (TYPE OR PRINT	H FACILITY	USDA UNIV 2415 Third	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIV OF TENNESSEE KNOXVILLE OFF LAB AN CARE 2415 Fletcher Luck Lane Third Creek Building br/> KNOXVILLE, TN 37996 Telephone: 8659745634					
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of anim upon which experi teaching, research, surgery, or tests we conducted involvir accompanying pain distress to the anim and for which appr anesthetic, analges tranquilizing drugs used.	iments, 6 ere 1 ng 2 n or 1 nals i ropriate 5 sic, or 1 s were 1	E. Number of animals upon which teaching experiments, research, surgery, or tests were conducted involving accompanying pain or he animals and for which the use of approp anesthetic, analgesic, or tranquilizing drugs nave adversely affected the procedures, resu interpretation of the teaching, research, expo surgery, or tests. (An explanation of the pro producing pain or distress on these animals reasons such drugs were not used must be a his report.)	e distress to oriate would alts, or eriments, cedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
Common tree shrew	0	0	22	()		22		
Raccoon	0	0	23	()		23		
African yellow house bat	0	136	0	()		136		
Eastern woodrat	0	0	125	()		125		
Western spotted skunk	0	0	1	()		1		
American red squirrel	0	0	33	()		33		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Exceutive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order Interagency Report Control No. 0180-DOA-AN Fiscal Year: 20						
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 94-R-0115 er: 502100				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Universidad Ana G. Méndez School of Veterinary Medicine PO Box 3030 Gurabo, PR 00778 Telephone: 787-743-7979 ext 4040						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whice teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	24	0		0			24		
5 Cats	0	4	0		0			4		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	108	0		0			108		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 06-Jan-2022

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	-	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL		REGISTRATION NUMBER: 94-R-0116 Customer Number: 503339				
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSIDAD DE PUERTO RICO EN ARECIBO PROGRAMA GRADO ASOCIADO EN TECNOLOGIA VET PO BOX 4010 br/> ARECIBO, PR 614 Telephone: 7878150000							
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A)	ttach additional	sheet	ts, if necessary, or use APHIS FORM 70	023A.)		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		expected constitutes the a aness have inter surg proc reas	Number of animals upon which teaching, cperiments, research, surgery, or tests were onducted involving accompanying pain or distress to e animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would ave adversely affected the procedures, results, or terpretation of the teaching, research, experiments, urgery, or tests. (An explanation of the procedures roducing pain or distress on these animals and the asons such drugs were not used must be attached to is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	25	0		0			25	
5 Cats	0	12	0		0			12	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	15	0		0			15	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	25	0		0			25	
Domestic Horse	0	5	0		0			5	
Cattle / Cow / Ox / Watusi 0 20 0 0						20			

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 20-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 94-R-0114 Customer Number: 325361						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSIDAD INTERAMERICANA DE PUERTO RICO Po Box 363255 San Juan, PR 00936-3255 Telephone: 7877661912 ext. 2432						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached t this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 09-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 21-R-0065 Customer Number: 393						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY AT ALBANY-STATE UNIVERSITY OF NEW YORK Office of Regulatory and Research Compliance 1400 Washington Ave, MSC 100 E br/> ALBANY, NY 12222 Telephone: 5185918817						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	esearch, tests were involving ying pain or the animals ich appropriate analgesic, or ng drugs were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or dis the animals and for which the use of appropria anesthetic, analgesic, or tranquilizing drugs we have adversely affected the procedures, results interpretation of the teaching, research, experin surgery, or tests. (An explanation of the procee producing pain or distress on these animals and reasons such drugs were not used must be attact this report.)		e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0 0					0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 21-R-0231 er: 290				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY AT BINGHAMTON DIVISION OF RESEARCH PO BOX 6000 br/> BINGHAMTON, NY 13902 Telephone: 6077775025						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	esearch, tests were involving ving pain or the animals	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 09-Nov-2021

information unless it display	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be	v (7 U.S.C. 2143). Failure to subject to penalties as provide	report according to the reguled for in Section 2150.	lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 31-R-0121 er: 36534				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF AKRON 302 BUCHTEL COMMON - UARV AKRON, OH 44325 Telephone: 330-972-5845						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or test (An explanation of the procedures		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 13-Oct-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order	:	Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL		REGISTRATION NUMBER: 64-R-0004 Customer Number: 832				
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF ALABAMA AT BIRMINGHAM 720 ADMINISTRATION BLDG 1530 3RD AVENUE SOUTH bir/>BIRMINGHAM, AL 35294 Telephone: 2059341294							
PEPOPT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Nun experin conduct the anin anesthe have act interpre- surgery product reasons	A Number of animals upon which teaching, xperiments, research, surgery, or tests were onducted involving accompanying pain or distr e animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs wou ave adversely affected the procedures, results, interpretation of the teaching, research, experime urgery, or tests. (An explanation of the procedur roducing pain or distress on these animals and the assons such drugs were not used must be attach his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	9		9			18	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	42	189		87			318	
8 Rabbits	0	0	46		4			50	
9 Non-Human Primates	0	2	91		0			93	
10 Sheep	0	0	0		0			0	
11 Pigs	0	17	220		0			237	
12 Other Animals	0	51	359		143			553	
Chinchilla	0	0	0		60			60	
Domestic Ferret	0	12	41		72			125	
Common tree shrew	0	39	9 318 11					368	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 09-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 64-R-0009 Customer Number: 834						
ANNUAL RE	PORT OF RESE. (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF ALABAMA 358 ROSE ADMINISTRATION BOX 870127 br/> TUSCALOOSA, AL 35487 Telephone: 2053488461						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	esearch, tests were involving ying pain or the animals	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distra- the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs woul have adversely affected the procedures, results, o interpretation of the teaching, research, experime surgery, or tests. (An explanation of the procedur producing pain or distress on these animals and t reasons such drugs were not used must be attached this report.)		e distress to priate s would ults, or periments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 24-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 96-R-0006 Customer Number: 38530						
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF ALASKA - ANCHORAGE 3211 PROVIDENCE DRIVE B O C ROOM 368 br/> ANCHORAGE, AK 99508 Telephone: 9077860916								
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were involving ying pain or the animals ich appropriate analgesic, or ng drugs were	exp con the ane hav inte surg proo reas	Number of animals upon which teaching, periments, research, surgery, or tests were nducted involving accompanying pain or distress to e animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would ve adversely affected the procedures, results, or repretation of the teaching, research, experiments, rgery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the asons such drugs were not used must be attached to s report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	21	43		0			64		
Arctic souslik	0	21	43		0			64		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL		REGISTRATION NUMBER: 96-R-0001 Customer Number: 15				
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF ALASKA FAIRBANKS 1033 Sheenjek Drive P O Box 756980 br/> FAIRBANKS, AK 99775 Telephone: 9074747020							
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional	sheets	; if necessary, or use APHIS FORM 7(023A)		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Nu exper condu the an anest have interp surge produ reaso	Number of animals upon which teaching, periments, research, surgery, or tests were onducted involving accompanying pain or distress the animals and for which the use of appropriate testhetic, analgesic, or tranquilizing drugs would ave adversely affected the procedures, results, or terpretation of the teaching, research, experiment rgery, or tests. (An explanation of the procedures roducing pain or distress on these animals and the asons such drugs were not used must be attached is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	114	29	49		6			84	
Reindeer	31	25	0		6			31	
Muskox	40	3	0		0			3	
Arctic souslik	43	1	49		0			50	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 71-R-0012 er: 1456			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY USDA, include ZIP Code) UNIVERSITY OF ARKANSAS - LITTLE ROCK 2801 S UNIVERSITY LITTLE ROCK, AR 72204 Telephone: 5015693516							e and Addre	ess, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (A explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 19-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 71-R-0011 er: 1457			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Ac USDA, include ZIP Code) UNIVERSITY OF ARKANSAS FOR MEDICAL SCIENCES 4301 W MARKHAM SLOT 504 LITTLE ROCK, AR 72205 Telephone: 5016865255								ss, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	expected conditioners the standard have intersurg proor	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, europer, or tate (<i>A</i>) a exploration of the procedures		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 25-Oct-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	о	MB APPROVED 0579-0036								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		JMBER: 93-R-0433 192				
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF CALIFORNIA- DAVIS ONE SHIELDS AVE DAVIS, CA 95616 Telephone: 5307522364				
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals		E. Num experim conduct the anin anesthet have ad interpre surgery, producin	umber of animals upon which teaching, riments, research, surgery, or tests were lucted involving accompanying pain or distress to nimals and for which the use of appropriate thetic, analgesic, or tranquilizing drugs would adversely affected the procedures, results, or pretation of the teaching, research, experiments, ery, or tests. (An explanation of the procedures ucing pain or distress on these animals and the ons such drugs were not used must be attached to report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	11	22		0		33			
5 Cats	237	137	29		0		166			
6 Guinea Pigs	0	9	5		0			14		
7 Hamsters	0	0	282		0			282		
8 Rabbits	0	16	110		0			126		
9 Non-Human Primates	2652	897	1460		0			2357		
10 Sheep	0	26	517		0			543		
11 Pigs	0	42	38		0			80		
12 Other Animals	650	270	562		0			832		
California mouse	223	0	363		0			363		
California vole	357	61	37		0			98		
Domestic Horse	0	21	84		0			105		
Cattle / Cow / Ox / Watusi	0	165	23		0			188		
Domestic Goat	0	23	1		0			24		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 02-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be s			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A IT HEALTH INSPEC		MAL	REGISTRAT		NUMBER: 93-R-0433 9192			
· · · -	ATION SHEET I Γ OF RESEARCI (TYPE OR PRINT	H FACILITY		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF CALIFORNIA- DAVIS ONE SHIELDS AVE DAVIS, CA 95616 Telephone: 5307522364					
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number upon whice teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	r of animals h experiments, esearch, tests were	E. Nu experi condu the an anesth have a interpr surger produce	if necessary, or use APHIS FORM 7 umber of animals upon which teaching innents, research, surgery, or tests we acted involving accompanying pain on inmals and for which the use of appro- hetic, analgesic, or tranquilizing drug adversely affected the procedures, res- vertation of the teaching, research, exp ry, or tests. (An explanation of the pri- cicing pain or distress on these animals in such drugs were not used must be a port.)	g, re distress to priate s would sults, or periments, pocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
Grey short-tailed opossum	67	0	53		0			53	
Angolan soft-furred fruit bat / Angolan fruit bat	0	0	1		0			1	
Llama	3	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (LO.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 02-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 93-R-0434 Customer Number: 9193					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	Ϋ́Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) University of California Irvine 160 ALDRICH HALL IRVINE, CA 92697 Telephone: 9498245796						
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		. Number of animals upon which teaching, periments, research, surgery, or tests were noducted involving accompanying pain or distress to e animals and for which the use of appropriate testhetic, analgesic, or tranquilizing drugs would ave adversely affected the procedures, results, or terpretation of the teaching, research, experiments, trgery, or tests. (An explanation of the procedures roducing pain or distress on these animals and the asons such drugs were not used must be attached to is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	23		0			23	
6 Guinea Pigs	0	34	46		0			80	
7 Hamsters	0	0	0		0			0	
8 Rabbits	51	0	181		0			181	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	10		0			10	
11 Pigs	3	0	139		0			139	
12 Other Animals	126	0	0		0			0	
Deer mouse	126	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 19-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching 0579-0036 0579-0036 0579-0036								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 93-R-0435 er: 9194		
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF CALIFORNIA LOS ANGELES U.C.LA. SCHOOL OF MEDICINE - D L A M 10833 LE CONTE AVENUE, ROOM 16-222 H C H S br/> LOS ANGELES, CA 90095 Telephone: 3107942575			
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A)	ttach additional :	sheet	ts, if necessary, or use APHIS FORM 7	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals		expe cond the s anes have inte surg proc reas	Number of animals upon which teaching, periments, research, surgery, or tests were nducted involving accompanying pain or distress to a nimals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would ve adversely affected the procedures, results, or verpretation of the teaching, research, experiments, rgery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the asons such drugs were not used must be attached to is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	8		0	0		8
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	77		0			77
7 Hamsters	0	0	0		36			36
8 Rabbits	0	37	17		0			54
9 Non-Human Primates	0	0	11		0			11
10 Sheep	0	0	0		0			0
11 Pigs	0	0	328		0			328
12 Other Animals	0	335	8		0			343
Chinchilla	0	0	8		0			8
Mongolian gerbil	0	200	0		0			200
Grey short-tailed opossum	0	115	0		0			115
Egyptian fruit bat	0	20	0		0			20

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL	REGISTRAT		N NUMBER: 93-R-0567 er: 333052			
ANNUAL RE	le ZI ^c Cali Roa A 95.		e and Addre	ess, as registered with					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tests. (An explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 93-R-0440 Customer Number: 9199				
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF CALIFORNIA SAN FRANCISCO U C S F BOX 0547 SAN FRANCISCO, CA 94143 Telephone: 4154766311						
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional	shee	ts, if necessary, or use APHIS FORM 70	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg pro reas	Number of animals upon which teaching, periments, research, surgery, or tests were nducted involving accompanying pain or distress to a animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would ve adversely affected the procedures, results, or erpretation of the teaching, research, experiments, rgery, or tests. (An explanation of the procedures ducing pain or distress on these animals and the usons such drugs were not used must be attached to s report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0			0
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	1		0			1
7 Hamsters	0	50	12		0			62
8 Rabbits	0	0	156		338			494
9 Non-Human Primates	0	0	10		0			10
10 Sheep	0	0	41		0			41
11 Pigs	0	0	60		0			60
12 Other Animals	0	4512	366		0			4878
European Common vole	0	4512	318		0			4830
Kemp's spiny mouse	0	0	48		0			48

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 23-Nov-2021

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching 0579-0036 of 0579									
	w (7 U.S.C. 2143). Failure to subject to penalties as provid		lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 93-R-0432 Customer Number: 9191						
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF CALIFORNIA-BERKELEY 119 CALIFORNIA HALL BERKELEY, CA 94720 Telephone: 5106427540				
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)										
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		experin conduct the ani anesthe have a interpri surgery product reason	2. Number of animals upon which teaching, xperiments, research, surgery, or tests were onducted involving accompanying pain or distress to ne animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would ave adversely affected the procedures, results, or nterpretation of the teaching, research, experiments, urgery, or tests. (An explanation of the procedures roducing pain or distress on these animals and the easons such drugs were not used must be attached to nis report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	32	21		0			53		
7 Hamsters	0	0	399		0			399		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	7	14	11		0			25		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	212	234	81		0			315		
Alpine chipmunk	1	0	0		0			0		
Lodgepole chipmunk	5	0	0		0			0		
Egyptian fruit bat	206	48	81		0			129		
Colonial Tuco-Tuco	0	186	0		0			186		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 02-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL		REGISTRATION NUMBER: 93-R-0436 Customer Number: 9195				
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF CALIFORNIA-RIVERSIDE OFFICE OF RESEARCH INTEGRITY 200 UNIVERSITY OFFICE BUILDING RIVERSIDE, CA 92521 Telephone: 9518274800			
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A)	ttach additional .	sheets	's, if necessary, or use APHIS FORM 70	023A.)		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expe cond the a anes have inter surg prod rease	Number of animals upon which teaching eriments, research, surgery, or tests wer ducted involving accompanying pain or animals and for which the use of approp sthetic, analgesic, or tranquilizing drugs e adversely affected the procedures, res rpretation of the teaching, research, exp gery, or tests. (An explanation of the pro- lucing pain or distress on these animals ons such drugs were not used must be a report.)	re distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	3	0		0			3	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	120	587	100		0			687	
California mouse	120	555	100		0			655	
Stephen's kangaroo rat	0	32	0		0			32	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 24-Nov-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
UNITED STATES I AND PLAN	NUMBER: 93-R-0437 9196								
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) UNIVERSITY OF CALIFORNIA-SAN DIEGO IACUC OFFICE, MAIL CODE 0071 9500 GILMAN DRIVE-br/> LA JOLLA, CA 92093 Telephone: 8585346069								ess, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Nur experi conduction the ani anesth have a interpri surger production	mber of animals upon which teaching ments, research, surgery, or tests wei ted involving accompanying pain or imals and for which the use of appro- tetic, analgesic, or tranquilizing drug idversely affected the procedures, res- retation of the teaching, research, exp y, or tests. (An explanation of the pro- cing pain or distress on these animals is such drugs were not used must be a	g, re r distress to priate s would sults, or periments, ocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	2	0	0		0			0	
6 Guinea Pigs	0	0	57		0			57	
7 Hamsters	0	187	351		0			538	
8 Rabbits	0	34	207		0			241	
9 Non-Human Primates	25	24	10		0			34	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	242		0			242	
12 Other Animals	76	21	13		0			34	
Cattle / Cow / Ox / Watusi	0	0 2			0			2	
Mongolian gerbil	0	0	9		0			9	
Lesser Egyptian jerboa	76	21	2		0			23	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 15-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law (7 U.S.C. 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150. Interagency Report Control No. 0180-DOA-AN	Fiscal Year: 2021								
UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE REGISTRATION NUMBER: 93-R-0438 Customer Number: 9197									
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)	ess, as registered with								
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (<i>Attach additional sheets, if necessary, or use APHIS FORM 7023A.</i>)	1								
A.B.C.D. Number of animals upon which experiments, research, or surgery but not yet used for such purposesE. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress, or use of pain-relieving drugs.E. Number of animals upon which teaching, experiments, research, surgery, or tests were 	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)								
4 Dogs 0 0 0 0 0	0								
5 Cats 0 0 0 0 0	0								
6 Guinea Pigs 0 0 0 0 0	0								
7 Hamsters 0 0 0 0	0								
8 Rabbits 0 0 0 0 0	0								
9 Non-Human Primates 0 0 0 0 0 0	0								
10 Sheep 0 0 0 0 0	0								
11 Pigs 0 0 0 0 0	0								
12 Other Animals 0 504 63 0	567								
Deer mouse 0 41 0 0	41								
Nile rat 0 449 63 0	512								
Western harvest mouse 0 9 0 0	9								
Lodgepole chipmunk 0 4 0 0 0	4								
Alpine chipmunk 0 1 0 0	1								

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 23-Nov-2021

According to the Paperwork F information unless it displays required to complete this info existing data sources, gatherin	OM	MB APPROVED 0579-0036						
This report is required by law (7 U.S.C. 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150. Interagency Report Control No. 0180-DOA-AN							Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Custoner Nur	FION NUMBER: 93-R-0438 mber: 9197			
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF CALIFORNIA-SANTA BARBARA OFFICE OF RESEARCH SANTA BARBARA, CA 93106 Telephone: 8058935855				
REPORT OF ANIMALS USF	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(At	ttach additional s	sheets, if necessary, or use APHIS FORM 7	023A.)		
Animals Covered By The Animal Welfare Regulations Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such				h experiments, esearch, tests were involving ying pain or the animals ich appropriate analgesic, or	E. Number of animals upon which teachin experiments, research, surgery, or tests we conducted involving accompanying pain o the animals and for which the use of appro anesthetic, analgesic, or tranquilizing drug have adversely affected the procedures, res interpretation of the teaching, research, exp surgery, or tests. (An explanation of the pr producing pain or distress on these animals reasons such drugs were not used must be	re r distress to priate s would sults, or periments, ocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	

used.

this report.)

ASSURANCE STATEMENTS

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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Date Signed 23-Nov-2021

According to the Paperwork I information unless it displays required to complete this info existing data sources, gatherin	о	OMB APPROVED 0579-0036						
This report is required by law to cease and desist and to be s			lations can r	esult in an order	· Iı	nteragency Report Control No. 0180-DOA-AN		Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		ABER: 93-R-0439 18	•	
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF CALIFORNIA-SANTA CRUZ University of California Santa Cruz 1156 High Street, Mailstop:Office of Research/orca sANTA CRUZ, CA 95064 Telephone: 8314593150				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional	sheets, if n	ecessary, or use APHIS FORM 7	7023A.)	
Α.	В.	С.		D. Number of animals upon which experiments, research, surgery, or				F.
Animals Covered By The Animal Welfare Regulations	Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		conducted the anima anesthetic have adve interpretat surgery, o producing	ducted involving accompanying pain or distres: animals and for which the use of appropriate sthetic, analgesic, or tranquilizing drugs would e adversely affected the procedures, results, or repretation of the teaching, research, experiment gery, or tests. (An explanation of the procedure: ducing pain or distress on these animals and the sons such drugs were not used must be attached report.)		TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0		0	
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	0	0	0		0			0
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	0	0		0			0
11 Pigs	0	0	0		0			0
12 Other Animals	3	14	0		0			14
Thirteen-lined ground squirrel	3	0	0		0			0
California sea lion	0	1	0		0			1
Harbor seal	0	1	0		0			1
Ringed seal	0	1	0		0			1
Bearded seal	0	2	0		0			2

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

JUL 2013

Obtained by Rise for Animals. Uploaded to Animal Research Laboratory Overview (ARLO) og 07/22/2022

Date Signed 22-Nov-2021

According to the Paperwork l information unless it displays required to complete this info existing data sources, gatherin	0	MB APPROVED 0579-0036						
This report is required by law (7 U.S.C. 2143). Failure to report according to the regulations can be to cease and desist and to be subject to penalties as provided for in Section 2150.				esult in an order	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE				REGISTRATION NUMBER: 93-R-0439 Custoner Number: 9198				
REPORT	ATION SHEET	CILITY(At	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered wit USDA, include ZIP Code) UNIVERSITY OF CALIFORNIA-SANTA CRUZ University of California Santa Cruz 1156 High Street, Mailstop:Office of Research/orca sANTA CRUZ, CA 95064 Telephone: 8314593150					
Animals Covered By The Animal Welfare Regulations Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such				esearch, tests were involving /ing pain or the animals ich appropriate analgesic, or ng drugs were	E. Number of animals upon which teach experiments, research, surgery, or tests conducted involving accompanying pair the animals and for which the use of app anesthetic, analgesic, or tranquilizing dr have adversely affected the procedures, interpretation of the teaching, research, surgery, or tests. (An explanation of the producing pain or distress on these anim reasons such drugs were not used must b this report.)	were n or distress to propriate ugs would results, or experiments, procedures nals and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
Bottlenose dolphin	0	2	0		0		2	
Hawaiian monk seal	0	2	0		0		2	
Northern elephant seal	0	5	0		0		5	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer (C.E.O.) or Legally Responsible
Instituted Informational Official (LO.)) I certify that the above is true,
correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036								
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
UNITED STATES I AND PLAN	MAL	REGISTRAT		N NUMBER: 71-R-0112 er: 20222						
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF CENTRAL ARKANSAS Dept. of Biology, 180 Lewis Science Center CONWAY, AR 72035 Telephone:										
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)										
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiment teaching, research, surgery, or tests were		nents, experiments, research, surgery, or tests were conducted involving accompanying pain or re the animals and for which the use of approp anesthetic, analgesic, or tranquilizing drugs have adversely affected the procedures, resu interpretation of the teaching, research, exp surgery, or tests. (An explanation of the pro- c, or producing pain or distress on these animals		e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 04-Oct-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
UNITED STATES I AND PLAN	MAL	REGISTRAT		N NUMBER: 31-R-0027 er: 233						
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) UNIVERSITY OF CINCINNATI 51 GOODMAN DRIVE PO BOX 210572 br/> CINCINNATI, OH 45221 Telephone: (513) 558-4146										
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)										
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiment teaching, research, surgery, or tests were conducted involving		nents, experiments, research, surgery, or tests w conducted involving accompanying pain- re the animals and for which the use of appr g anesthetic, analgesic, or tranquilizing dru have adversely affected the procedures, ra interpretation of the teaching, research, ep surgery, or tests. (An explanation of the p roducing pain or distress on these anima		re distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	7	0		0			7		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	145	376		0			521		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	1	118		0			119		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 14-Nov-2021

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching 0579-0036 OMB APPROVED 0579-0036									
	w (7 U.S.C. 2143). Failure to subject to penalties as provid		lations can r	esult in an order	- Int	eragency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 84-R-0059 Customer Number: 1834						
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) UNIVERSITY OF COLORADO- DENVER 13001 E. 17th Place, MS F489, P. O. Box 6508 AURORA, CO 80045 Telephone: 3037241057							ss, as registered with			
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		experiment conducted i the animals anesthetic, have advers interpretations surgery, or producing p	2. Number of animals upon which teaching, xperiments, research, surgery, or tests were onducted involving accompanying pain or di he animals and for which the use of appropri nesthetic, analgesic, or tranquilizing drugs w ave adversely affected the procedures, result nterpretation of the teaching, research, expering regy, or tests. (An explanation of the proce or roducing pain or distress on these animals are assons such drugs were not used must be attahis report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	47		0			47		
7 Hamsters	0	0	128		0			128		
8 Rabbits	0	28	46		0			74		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	88		0			88		
11 Pigs	0	0	235		0			235		
12 Other Animals	317	15	211		0			226		
Cattle / Cow / Ox / Watusi	0	2	0		0			2		
Mongolian gerbil	317	13	167		0			180		
Chinchilla	0	0	40		0			40		
American pine vole	0	0	4		0			4		

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching of 0579-0036 are used at a sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be s			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	:	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 84-R-0060 Customer Number: 1835					
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF COLORADO-BOULDER 2860 Wilderness Place, 603 UCB / Room 122 BOULDER, CO 80301 Telephone: 3034924787					
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional	sheets	, if necessary, or use APHIS FORM 7	7023A.)		
А.	В.	С.	upon which	r of animals h experiments,	exper	E. Number of animals upon which teaching, experiments, research, surgery, or tests were		F.	
Animals Covered By The	Number of animals being bred, conditioned, or held	Number of animals upon which teaching, research,	teaching, research, surgery, or tests were conducted involving		the ar	interfective accompanying pain of approximately and for which the use of approximately a	opriate	TOTAL NUMBER OF	
Animal Welfare Regulations	Animal for use in teaching, conducted involving no accompa		accompany	ing pain or	have	hetic, analgesic, or tranquilizing drug adversely affected the procedures, re pretation of the teaching, research, ex	sults, or	ANIMALS	
C	research, or surgery but not yet used for such purposes	pain-relieving drugs.	distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		surge produ reaso	rgery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the usons such drugs were not used must be attached to s report.)		(Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	564	257		0			821	
Senegal bushbaby	0	3	0		0			3	
Greater bushbaby	0	20	0		0			20	
American pika	0	11	3		0			14	
Gunnison's prairie dog	0	37	0		0			37	
Prairie vole	0	360	241		0			601	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 19-Nov-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	O	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be		esult in an order	Interagency Report Control No. 0180-DOA-AN	F	Fiscal Year: 2021			
UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE				REGISTRATION NUMBER: 84-R-0060 Custoner Number: 1835				
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF COLORADO-BOULDER 2860 Wilderness Place, 603 UCB / Room 122 BOULDER, CO 80301 Telephone: 3034924787				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	ROL OF RESEARCH FA	.CILITY(At	ttach additional	sheets, if necessary, or use APHIS FORM 7	023A.)		
Animals Covered By The Animal Covered By The Animal Welfare Regulations Welfare Regulations Animal wel				r of animals h experiments, esearch, tests were involving ving pain or the animals ich appropriate analgesic, or ng drugs were	E. Number of animals upon which teaching experiments, research, surgery, or tests were conducted involving accompanying pain or the animals and for which the use of approj anesthetic, analgesic, or tranquilizing drugs have adversely affected the procedures, res- interpretation of the teaching, research, exp surgery, or tests. (An explanation of the pro- producing pain or distress on these animals reasons such drugs were not used must be a this report.)	re r distress to priate s would sults, or periments, ocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
Meadow vole	0	133	13		0		146	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use. CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (LO.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

> Date Signed 19-Nov-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	-	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC	MAL	REGISTRATION NUMBER: 16-R-0008 Customer Number: 52						
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registere USDA, include ZIP Code) UNIVERSITY OF CONNECTICUT 438 WHITNEY RD EXT. UNIT 1006, WHETTEN GRAD CTR STORRS, CT 06269 Telephone: 8604863619							ess, as registered with		
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con- the ane: have inte surg proo	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or dis the animals and for which the use of appropriat anesthetic, analgesic, or tranquilizing drugs wo have adversely affected the procedures, results, interpretation of the teaching, research, experin surgery, or tests. (An explanation of the proced producing pain or distress on these animals and reasons such drugs were not used must be attact this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	38	4		0			42	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	9	25		0			34	
Domestic Horse	0	0	25		0			25	
Cattle / Cow / Ox / Watusi 0 9 0 0 9							9		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 23-Nov-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE					REGISTRATION NUMBER: 50-R-0006 Customer Number: 45					
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) (TYPE OR PRINT) UNIVERSITY OF DELAWARE NEWARK, DE 19711 Telephone: 3028312980								ss, as registered with		
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)										
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	rch, surgery, or tests were conducted involving accompanying pain or		conducted involving accompanying pain or di the animals and for which the use of appropri- anesthetic, analgesic, or tranquilizing drugs w have adversely affected the procedures, result interpretation of the teaching, research, experi- surgery, or tests. (An explanation of the proce producing pain or distress on these animals ar		e distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	2	0		0			2		
12 Other Animals	14	721	19		0			740		
Prairie vole	14	721	19		0			740		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 09-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 84-R-0094 Customer Number: 6003435						
ANNUAL RE	Ϋ́Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) University of Denver 2199 S University Blvd Denver, CO 80208 Telephone: 303-871-2000								
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiment surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached this report.)		re r distress to priate s would sults, or periments, ocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	43	0		0			43		
Deer mouse	0	43	0		0			43		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 27-Oct-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can re	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	-	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRA' Customer No		NUMBER: 58-R-0003 r: 859				
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF FLORIDA P.O. BOX 115500 GAINESVILLE, FL 32611 Telephone: 3522739531						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
А.	В.	С.				E. Number of animals upon which teaching, experiments, research, surgery, or tests were		F.		
	Number of animals being	Number of animals upon which teaching, research,	teaching, re surgery, or	esearch,	cond the a	lucted involving accompanying pain o mimals and for which the use of appro	r distress to priate	TOTAL NUMBER OF		
Animals Covered By The Animal	for use in teaching, for use in teaching, conducted involving no accompa			ing pain or	have	thetic, analgesic, or tranquilizing drug adversely affected the procedures, respiration of the teaching, research, exp	sults, or	ANIMALS		
Welfare Regulations	research, or surgery but not yet used for such purposes	pain, distress, or use of pain-relieving drugs.	distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		surge prod rease	gery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the isons such drugs were not used must be attached to s report.)		(Cols. $C + D + E$)		
4 Dogs	9	101	47		0			148		
5 Cats	0	5	60		6			71		
6 Guinea Pigs	0	2	67		0			69		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	7		0			7		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	54	18		25			97		
11 Pigs	2	10	188		0			198		
12 Other Animals	54	372	210		13			595		
Cattle / Cow / Ox / Watusi	0	293	4		0			297		
Domestic Horse	1	9	81		0			90		
Domestic Goat	0	0	4		0			4		
Marsh rice rat	46	0	0		0			0		
Turkish Spiny Mouse / African										

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 17-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This report is required by law (7 U.S.C. 2143). Failure to report according to the regulations can result in an order Interagency Report Control								MB APPROVED 0579-0036
This report is required by law to cease and desist and to be s			ations can r	esult in an order		agency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021
	DEPARTMENT OF A IT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 58-R-0003 Custoner Number: 859				
CONTINU REPORT		2. HEADQU USDA, inclua UNIVERSITY P.O. BOX 11: GAINESVILL Telephone: 32	e ZIP Code) OF FLORIDA 5500 E, FL 32611	SEARCH FACILITY (Nam	e and Addre	ss, as registered with		
REPORT OF ANIMALS US	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(A	ttach additional	sheets, if neces	ssary, or use APHIS FORM 7	7023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, conducted inv the animals a anesthetic, an have adversel interpretation surgery, or te producing pa	f animals upon which teachin research, surgery, or tests we volving accompanying pain o nd for which the use of appro- lagesic, or tranquilizing drug ly affected the procedures, re of the teaching, research, ex sts. (An explanation of the pr in or distress on these animal drugs were not used must be	re or distress to opriate s would sults, or periments, occedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
Spiny Mouse	7	38	121		13			172
Hispid cotton rat	0	29	0		0			29
Asian elephant	0	3	0	0 3				

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.
CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer (C.E.O.) or Legally Responsible
Institutional Official (LO.)) I certify that the above is true,
correct, and complete (7 U.S.C. Section 2143).

Date Signed 17-Nov-2021

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by lav to cease and desist and to be			lations can r	esult in an order	Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 57-R-0005 Customer Number: 900					
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF GEORGIA 212 TUCKER HALL 310 EAST CAMPUS ROAD br/> ATHENS, GA 30602 Telephone: 7065425933				
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
А.	В.	С.		r of animals h experiments,	E. Number of animals upon which teach experiments, research, surgery, or tests		F.		
	Number of animals being bred, conditioned, or held	Number of animals upon which teaching, research,	teaching, re surgery, or	tests were	conducted involving accompanying pair the animals and for which the use of ap	propriate	TOTAL NUMBER OF		
Animal for use in teaching, conducted involving no accom			ing pain or	anesthetic, analgesic, or tranquilizing di have adversely affected the procedures, interpretation of the teaching, research,	results, or	ANIMALS			
······	research, or surgery but not yet used for such purposes	pain-relieving drugs.	distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		surgery, or tests. (An explanation of the producing pain or distress on these anin reasons such drugs were not used must this report.)	procedures nals and the	(Cols. C + D + E)		
4 Dogs	0	0	0		0		0		
5 Cats	0	0	0		0		0		
6 Guinea Pigs	0	0	0		0		0		
7 Hamsters	0	0	0		0		0		
8 Rabbits	0	0	0		0		0		
9 Non-Human Primates	0	0	0		0		0		
10 Sheep	0	0	0		0		0		
11 Pigs	0	0	0		0		0		
12 Other Animals	0	571	981		74		1626		
Cattle / Cow / Ox / Watusi	0	24	4		0		28		
Domestic Goat	0	0	7		0		7		
Domestic Horse	0	0	73		0		73		
White-tailed deer	0	15	116		0		131		
North American black bear	0	0	61		0		61		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

JUL 2013

Obtained by Rise for Animals. Uploaded to Animal Research Laboratory Overview (ARLO) og 07/22/2022

Date Signed 19-Nov-2021

information unless it displays	uired to respond to, a collection of ollection is 0579-0036. The time r reviewing instructions, searching matternation.	0	MB APPROVED 0579-0036					
This report is required by law to cease and desist and to be			ations can r	esult in an order	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 57-R-0005 Custoner Number: 900				
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF GEORGIA 212 TUCKER HALL 310 EAST CAMPUS ROAD > ATHENS, GA 30602 Telephone: 7065425933				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(A	ttach additional	sheets, if necessary, or use APHIS FORM 7	023A.)		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching experiments, research, surgery, or tests wer conducted involving accompanying pain or the animals and for which the use of approg- anesthetic, analgesic, or tranquilizing drugs have adversely affected the procedures, res- interpretation of the teaching, research, exp surgery, or tests. (An explanation of the pro- producing pain or distress on these animals reasons such drugs were not used must be a this report.)	re distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
Black-footed ferret	0	465	99 74				638	
Mongolian gerbil	0	67	621	621 0 688				

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Exceutive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 19-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be s			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	:	Fiscal Year: 2021	
	DEPARTMENT OF A THEALTH INSPEC		MAL	REGISTRA' Customer Nu		JMBER: 95-R-0002 9	•		
ANNUAL RE	PORT OF RESE. (TYPE OR PRINT		Y	USDA, inclua	de ZIP Co 7 OF HAW 5 Road, Si 7, HI 9682	VAII AT MANOA nclair 10 2	ne and Addro	ess, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached t this report.)		prior distress to opriate gs would sults, or periments, rocedures ls and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	126	0		0			126	
5 Cats	0	96	0		0			96	
6 Guinea Pigs	0	10	0		0			10	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	4	0		0			4	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	24	0		0			24	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	84	0		0			84	
Domestic Horse	0	35	0		0			35	
Cattle / Cow / Ox / Watusi	0	24	0		0			24	
Domestic Goat	0	24	0		0			24	
Hawaiian monk seal 0 1 0 0								1	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 21-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 74-R-0020 Customer Number: 1458					
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as USDA, include ZIP Code) University of Houston Health & Biomedical Sciences Bulding 1 4849 Calhoun Rd br/> HOUSTON, TX 77204 Telephone: 7137439104								ss, as registered with	
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or dis the animals and for which the use of appropriat anesthetic, analgesic, or tranquilizing drugs wo have adversely affected the procedures, results, interpretation of the teaching, research, experin surgery, or tests. (An explanation of the proced producing pain or distress on these animals and reasons such drugs were not used must be attact this report.)		e distress to priate s would ults, or periments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	26		0			26	
8 Rabbits	0	0	37		0			37	
9 Non-Human Primates	0	0	71		0			71	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0 0						0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 08-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 33-R-0104 Customer Number: 566					
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF ILLINOIS AT CHICAGO 1601 PARKVIEW AVENUE ROCKFORD, IL 61107 Telephone: 8133955679								ss, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were		conducted involving accompanying pain or dist the animals and for which the use of appropriat anesthetic, analgesic, or tranquilizing drugs wo have adversely affected the procedures, results, interpretation of the teaching, research, experin		distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0			0		0	
12 Other Animals	0	0 0 0						0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 04-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							о	MB APPROVED 0579-0036
This report is required by law to cease and desist and to be			lations can r	esult in an order	esult in an order Interagency Report Control Fis			
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		BER: 33-R-0018		
ANNUAL RE	Ϋ́Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF ILLINOIS AT CHICAGO BIO RSCS LAB, 1840 W. TAYLOR ST, M/C 533 CHICAGO, IL 60612 Telephone:						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)							
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or di the animals and for which the use of appropria anesthetic, analgesic, or tranquilizing drugs w have adversely affected the procedures, result interpretation of the teaching, research, experi surgery, or tests. (An explanation of the proce producing pain or distress on these animals ar reasons such drugs were not used must be atta this report.)		pre or distress to opriate gs would sults, or periments, rocedures ls and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	13	52	22		0			74
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	2	94		0			96
7 Hamsters	0	1	0		0			1
8 Rabbits	3	20	96		0			116
9 Non-Human Primates	29	11	108		0			119
10 Sheep	0	0	2		0			2
11 Pigs	12	0	230		0			230
12 Other Animals	407	6	21		0			27
Naked mole-rat	395	6	21		0			27
Damara / Damaraland mole-rat / Damaraland blesmol	12	0	0		0			0

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 19-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law (7 U.S.C. 2143) to cease and desist and to be subject to penalti			lations can re	esult in an order		Report Control 80-DOA-AN	I	Fiscal Year: 2021	
UNITED STATES DEPARTME AND PLANT HEALTH			MAL	REGISTRATION NUMBER: 33-R-0029 Customer Number: 603					
ANNUAL REPORT OF (TYPE (Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN 1 OBSERVATORY BUILDING 901 S. MATHEWS br/> URBANA, IL 61801 Telephone: 2173332564							
DEPORT OF ANIMALS USED BY OR LINDER CONTROL OF DESEARCH FACILITY/Attack additional sharts, if pagassary, or use APHIS FORM 7023A.)									
EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.) A. B. C. D. Number of animals E. Number of animals upon which teaching, F.									
A. D. Number of ani bred, condition for use in teach testing, experin research, or suu not yet used fo purposes	mals being hed, or held hing, corr nents, pai rgery but pai	umber of animals upon tich teaching, research, periments, or tests were nducted involving no in, distress, or use of in-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		experiments, researc conducted involving the animals and for v anesthetic, analgesic have adversely affec interpretation of the surgery, or tests. (Ar producing pain or di	Is upon which exactly the standard of the standard of the set of t	re r distress to priate s would sults, or periments, ocedures s and the		
4 Dogs 0	0		0		0			0	
5 Cats 0	0		0		0			0	
6 Guinea Pigs 0	0		0		0			0	
7 Hamsters 0	0		0		0			0	
8 Rabbits 0	0		0		0			0	
9 Non-Human Primates 0	0		0		0			0	
10 Sheep 0	0		0		0			0	
11 Pigs 0	0		0		0			0	
12 Other Animals 0	0		0		0			0	
Domestic Horse 0	0		0		0			0	
Domestic Goat 0	0		0		0			0	
Llama 0	0		0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Dec-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
existing data sources, gatheri	ng and maintaining the data	needed, and completing and	reviewing t	he collection of i	infor	mation.				
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 42-R-0004 Customer Number: 1576						
ANNUAL RE	ΥY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF IOWA Office of Animal Resources, Office of the IACUC L350 P B D B br/>> IOWA CITY, IA 52242 Telephone: (319) 335-7985								
	PEPORT OF ANIMALS LISED BY OR LINDER CONTROL OF RESEARCH FACILITY (Attach additional sheats, if necessary, or use APHIS FORM 7023A)									
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)										
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or d the animals and for which the use of appropri anesthetic, analgesic, or tranquilizing drugs w have adversely affected the procedures, resul interpretation of the teaching, research, exper surgery, or tests. (An explanation of the proce producing pain or distress on these animals a reasons such drugs were not used must be att this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	10	0	38		0			38		
7 Hamsters	0	0	0		0			0		
8 Rabbits	28	0	389		0			389		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	18		0			18		
11 Pigs	4	0	560		0			560		
12 Other Animals	1034	2884	328		0			3212		
Domestic Ferret	1034	2884	328		0			3212		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 24-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 48-R-0003 Customer Number: 1460					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) University of Kansas Medical Center 3901 RAINBOW BLVD 1040 WESCOE PAVILION - MS 2014 > KANSAS CITY, KS 66160 Telephone: 9135881698						
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		conducted involving accompanying pain or d the animals and for which the use of appropri anesthetic, analgesic, or tranquilizing drugs w have adversely affected the procedures, result interpretation of the teaching, research, exper		e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	44		0			44	
9 Non-Human Primates	2	2	2		0			4	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	10		0			10	
12 Other Animals	0	0	0 0					0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 48-R-0002 er: 1459				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) University of Kansas ANIMAL CARE UNIT, B054 MALLOT HALL LAWRENCE, KS 66045 Telephone: 7858645587								
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg proo	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress t the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	20		0			20		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	34	202	271					841		
Prairie vole	34	202	271		368			841		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 24-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order	Interagency Report No. 0180-DOA		1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT	TON NUMBER: 61-R-0002 mber: 898	2			
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF KENTUCKY OFFICE OF THE ATTENDING VETERINARIAN 445 BOWMAN HALL, 151 WASHINGTON AVE LEXINGTON, KY 40506 Telephone: 8592571117				
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		conducted involving accomp the animals and for which th anesthetic, analgesic, or tran- have adversely affected the p interpretation of the teaching surgery, or tests. (An explan- producing pain or distress or	experiments, research, surgery, or tests were onducted involving accompanying pain or dis ac animals and for which the use of appropriat nesthetic, analgesic, or tranquilizing drugs wo ave adversely affected the procedures, results, nterpretation of the teaching, research, experin argery, or tests. (An explanation of the proced roducing pain or distress on these animals and asons such drugs were not used must be attac		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	53		0			53	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	10		0			10	
9 Non-Human Primates	0	4	56		0			60	
10 Sheep	0	0	3		0			3	
11 Pigs	0	0	4		0			4	
12 Other Animals	641	119	196		0			315	
Turkish Spiny Mouse / African Spiny Mouse	641	24	196		0			220	
Elk	0	95	0		0			95	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 72-R-0007 er: 1451				
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF LOUISIANA AT LAFAYETTE P.O. BOX 41008 LAFAYETTE, LA 70504 Telephone:								ess, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, current, or test (Am any any motion of the procedures		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	7997	1571	872		0			2443		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0 0				0 0				

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 11-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 61-R-0001 Customer Number: 897						
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF LOUISVILLE 511 S Floyd St Research Resources LOUISVILLE, KY 40202 Telephone: 5028525268				
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg proo reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	2	0	12		0			12		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		182			182		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	2		0			2		
11 Pigs	5	0	233		0			233		
12 Other Animals	0	6	0		0			6		
Domestic Ferret	0	6	0		0			6		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 21-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 11-R-0032 er: 10590				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF MAINE SYSTEM 15 ESTABROOKE DR RM 267 ESTABROOKE HALL > ORONO, ME 04469 Telephone: 8778621234							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tests. (A a exploration of the procedures		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0 0			0 0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be	v (7 U.S.C. 2143). Failure to subject to penalties as provid	report according to the reguled for in Section 2150.	lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 11-R-0006 er: 75				
ANNUAL RE	PORT OF RESE. (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF MAINE 5703 Alumni Hall ROOM 311 br/> ORONO, ME 04469 Telephone: 2075811498						
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp cond the ane: have inte surg proo	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	24	0		0			24		
Deer mouse	0	24	0		0			24		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 12-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 51-R-0018 er: 89				
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF MARYLAND BALTIMORE 10 S PINE ST. RM G-100, MSTF BLDG BALTIMORE, MD 21201 Telephone: 4107063540				
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expected constitutes aness have inter surg proc reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	233		121			354		
7 Hamsters	0	0	0		20			20		
8 Rabbits	0	18	126		0			144		
9 Non-Human Primates	0	14	86		0			100		
10 Sheep	0	0	8		0			8		
11 Pigs	0	0	217		38			255		
12 Other Animals	0	0	43		27			70		
Domestic Ferret	0	0	43		27			70		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 24-Nov-2021

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by lav to cease and desist and to be			lations can re	esult in an order	· In	teragency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		BER: 51-R-0095			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		ΥY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF MARYLAND COLLEGE PARK DIRECTOR LABORATORY ANIMAL CARE COLLEGE PARK CAMPUS COLLEGE PARK, MD 20742 Telephone: 3014054921					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
А.	В.	С.				of animals upon which teachin s, research, surgery, or tests we		F.	
	Number of animals being which teaching research surgery			esearch, tests were	conducted	involving accompanying pain o s and for which the use of appro			
Animal	bred, conditioned, or held for use in teaching,	experiments, or tests were conducted involving no		ing pain or	have adver	analgesic, or tranquilizing drug sely affected the procedures, res	sults, or	TOTAL NUMBER OF ANIMALS	
Welfare Regulations	testing, experiments, research, or surgery but not yet used for such purposes	pain, distress, or use of pain-relieving drugs.	and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		surgery, or producing	on of the teaching, research, exp tests. (An explanation of the pr pain or distress on these animals ch drugs were not used must be)	ocedures s and the	(Cols. $C + D + E$)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0		0		
6 Guinea Pigs	5	25	15		70			110	
7 Hamsters	0	0	0		24			24	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	5	0		0			5	
11 Pigs	0	0	24		0			24	
12 Other Animals	33	112	219		24			355	
Domestic Ferret	0	22	8		12			42	
Deer mouse	2	20	12		6			38	
Oldfield mouse	2	20	12		6			38	
Mongolian gerbil	29	0	187		0			187	
California mouse	0	39	0		0			39	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This report is required by law (7 U.S.C. 2143). Failure to report according to the regulations can result in an order Interagency Report Control							MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be s			ations can re	esult in an order	Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021	
	UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE				REGISTRATION NUMBER: 51-R-0095 Custoner Number: 91			
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF MARYLAND COLLEGE PARK DIRECTOR LABORATORY ANIMAL CARE COLLEGE PARK CAMPUS br/> COLLEGE PARK, MD 20742 Telephone: 3014054921				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(At	tach additional	sheets, if necessary, or use APHIS FORM 70	023A.)		
A. B. C. D. Numbr Animals Covered By The Animal Welfare Regulations Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, or surgery but not yet used for such Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. D. Numbr			upon which teaching, re surgery, or conducted accompany distress to t and for wh anesthetic, tranquilizir	tests were involving ving pain or	E. Number of animals upon which teaching experiments, research, surgery, or tests wer conducted involving accompanying pain or the animals and for which the use of approg anesthetic, analgesic, or tranquilizing drugs have adversely affected the procedures, res interpretation of the teaching, research, exp surgery, or tests. (An explanation of the pro producing pain or distress on these animals reasons such drugs were not used must be a this report.)	e distress to priate s would ults, or periments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
Cotton Deermouse	0	11	0 0 11					

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.
CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer (C.E.O.) or Legally Responsible
Institute above is true,
correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 14-R-0036 Customer Number: 515						
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF MASSACHUSETTS AMHERST 217 Mass Venture Center 100 Venture Way HADLEY, MA 01035 Telephone: 4135450668				
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Num experim conduct the anir anesthe have ad interpre surgery produci reasons	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress he animals and for which the use of appropriate unesthetic, analgesic, or tranquilizing drugs would ave adversely affected the procedures, results, or nterpretation of the teaching, research, experiment urgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the easons such drugs were not used must be attached his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	20		0			20		
5 Cats	0	0	12		0			12		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	314	37	209		1			247		
8 Rabbits	0	0	2		0			2		
9 Non-Human Primates	0	16	5		0			21		
10 Sheep	0	15	0		0			15		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	52	0		0			52		
Cattle / Cow / Ox / Watusi	0	24	0		0			24		
Domestic Horse	0	13	0		0			13		
Domestic Goat	0	15	0		0			15		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Dec-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 14-R-0035 er: 130				
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL 55 LAKE AVENUE NORTH WORCESTER, MA 01655 Telephone:								ss, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or d the animals and for which the use of appropr anesthetic, analgesic, or tranquilizing drugs v have adversely affected the procedures, resul interpretation of the teaching, research, exper surgery, or tests. (An explanation of the proc producing pain or distress on these animals a reasons such drugs were not used must be att this report.)		e distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	16		0			16		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	320	170		304			794		
7 Hamsters	0	1806	0		0			1806		
8 Rabbits	0	15	134		0			149		
9 Non-Human Primates	0	0	0 17		0			17		
10 Sheep	0	0	102		0			102		
11 Pigs	0	0	29		0			29		
12 Other Animals	0	0	0		0 0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 14-R-0081 er: 139				
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered v USDA, include ZIP Code) UNIVERSITY OF MASSACHUSETTS 4 Corporate Drive Andover, MA 01810 Telephone: 9789344698								ss, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress t the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0 0						0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							OMB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 63-R-0006 er: 852		
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF MEMPHIS Executive Vice President for Research & Innovation 365 Innovation Drive br/> MEMPHIS, TN 38152 Telephone: 9016781596				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional :	sheet	ts, if necessary, or use APHIS FORM 7	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		expe cond the a anes have inter surg prod reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached t this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0			0
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	78	0	0		0			0
8 Rabbits	0	0	0		0			0
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	0	0		0			0
11 Pigs	0	0	0		0			0
12 Other Animals	407	130	0		0			130
European Common vole	190	130	0		0			130
Common mole-rat	217	0	0		0			0

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 09-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 58-R-0007 er: 872			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Υ	USDA, includ UNIVERSITY U OF MIAMI	le ZIF 7 OF 1 1 SCH 6960<	MIAMI IOOL OF MED (R64) sht/> MIAMI, FL 33101	e and Addre	ss, as registered with	
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A	ttach additional s	sheet	ts, if necessary, or use APHIS FORM 7(023A.)		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whice teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, esperiments, research, surgery, or tests were involving accompanying pain or tests were involving an esthetic, analgesic, or tranquilizing drug have adversely affected the procedures, res interpretation of the teaching, research, exp surgery, or tests. (An explanation of the pro- producing pain or distress on these animals		e distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	8		0			8	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	4	50		0			54	
9 Non-Human Primates	0	1	11		0			12	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	231		0			231	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be	v (7 U.S.C. 2143). Failure to subject to penalties as provid	report according to the reguled for in Section 2150.	lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 65-R-0102 er: 844				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Ϋ́Y	USDA, includ	le ZII 7 OF . TE SI 1S 39	MISSISSIPPI MEDICAL CENTER TREET 1216	e and Addre	ss, as registered with		
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, experiments, research, surgery, or tests we conducted involving accompanying pain or tests were involving ing pain or he animals interpretation of the teaching, research, ex ch appropriate analgesic, or		e distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	10		0			10		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	39		0			39		
9 Non-Human Primates	0	0	98		0			98		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	25		0			25		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 15-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 65-R-0001 er: 839				
ANNUAL RE	PORT OF RESE. (TYPE OR PRINT		Y	USDA, includ UNIVERSITY Vice Chancell	le ZII 7 OF lor fa l <th>MISSISSIPPI or Research & Sponsored Programs /> UNIVERSITY, MS 38677</th> <th>e and Addre</th> <th>ss, as registered with</th>	MISSISSIPPI or Research & Sponsored Programs /> UNIVERSITY, MS 38677	e and Addre	ss, as registered with		
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whice teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, search, tests were nvolving apain or ansthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, ch appropriate surgery, or tests were the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	24		0			24		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 09-Nov-2021

According to the Paperwork information unless it displays required to complete this infe existing data sources, gatheri	s a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	umber for the sponse, incl	nis information c uding the time for	collection or reviewi	is 0579-0036. The time instructions, searching	о	MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	:	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 43-R-0048 Customer Number: 1461					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF MISSOURI-COLUMBIA 310 Jesse Hall COLUMBIA, MO 65211 Telephone: 5738844345					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
А.	В.	C.		er of animals ch experiments, experiments, research, surgery, or tests were conducted involving accompanying pain or di			vere	F.	
Animals Covered By The	Number of animals being which teaching, research, sur		surgery, or	surgery, or tests were to conducted involving		als and for which the use of applic, analgesic, or tranquilizing dru	ropriate	TOTAL NUMBER OF	
Animal Welfare Regulations	for use in teaching, testing, experiments, research, or surgery but	conducted involving no pain, distress, or use of	of distress to the animals interpretation of the teaching, resea		ation of the teaching, research, e	xperiments,	ANIMALS		
	not yet used for such purposes	pain-relieving drugs.	anesthetic,	hich appropriate surgery, or tests. (An explanation of the procedure producing pain or distress on these animals and the reasons such drugs were not used must be attached this report.)		als and the	(Cols. C + D + E)		
4 Dogs	41	4	145		0			149	
5 Cats	0	12	48		0			60	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	23	54		63			140	
8 Rabbits	0	0	124		0			124	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	5		0			5	
11 Pigs	501	695	517		0			1212	
12 Other Animals	191	257	0		31			288	
Big brown bat	0	62	0		0			62	
Cattle / Cow / Ox / Watusi	0	62	0		0			62	
Alpaca	0	2	0		0			2	
Domestic Ferret	0	0	0		31			31	
Domestic Goat	0	19	0		0			19	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

information unless it displays	quired to respond to, a collection of ollection is 0579-0036. The time reviewing instructions, searching nformation.	0	MB APPROVED 0579-0036				
This report is required by law to cease and desist and to be s			ations can re	esult in an order	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021
	DEPARTMENT OF A IT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 43-R-0048 Custoner Number: 1461			
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF MISSOURI-COLUMBIA 310 Jesse Hall COLUMBIA, MO 65211 Telephone: 5738844345			
REPORT OF ANIMALS US	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(At	tach additional	sheets, if necessary, or use APHIS FORM 7	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to t and for whi anesthetic,	tests were	E. Number of animals upon which teaching experiments, research, surgery, or tests we conducted involving accompanying pain of the animals and for which the use of appro anesthetic, analgesic, or tranquilizing drug have adversely affected the procedures, res- interpretation of the teaching, research, exp surgery, or tests. (An explanation of the pr- producing pain or distress on these animals reasons such drugs were not used must be this report.)	re r distress to priate s would sults, or periments, ocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
California mouse	191	88	0		0		88
Domestic Horse	0	24	0		0		24

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.
CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer (C.E.O.) or Legally Responsible
Institutional Official (LO.)) I certify that the above is true,
correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 43-R-0047 er: 1462			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH USDA, include ZIP Code) UNIVERSITY OF MISSOURI-KANSA 5100 ROCKHILL RD KANSAS CITY, MO 64110 Telephone: 8162351303							e and Addre	ss, as registered with	
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	ments, experiments, research, surgery, or tests were conducted involving accompanying pain or dis the animals and for which the use of appropriat anesthetic, analgesic, or tranquilizing drugs wo have adversely affected the procedures, results, interpretation of the teaching, research, experin surgery, or tests. (An explanation of the proced producing pain or distress on these animals and		e distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 06-Oct-2021

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching o579-0036 OMB APPROVED 0579-0036 OMB AP								
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		UMBER: 81-R-0001 1067			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF MONTANA DEPT. LAB. ANIMAL RESOURCES MISSOULA, MT 59812 Telephone: 4062434892					
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A	ttach additional	sheets, i	f necessary, or use APHIS FORM 7	7023A.)		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		experin conduct the ani anesthe have ac interpre- surgery product reasons	Number of animals upon which teaching, periments, research, surgery, or tests were nducted involving accompanying pain or distress to a animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would ve adversely affected the procedures, results, or erpretation of the teaching, research, experiments, rgery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the usons such drugs were not used must be attached to s report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	used.		0		0		
5 Cats	0	0	0		0		0		
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	73	54	0		0			54	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	270	302	64		0			366	
Degu	45	33	0		0			33	
Snowshoe hare	0	14	0		0			14	
Deer mouse	225	255	0		0			255	
Elk	0	0	16		0			16	
Grizzly Bear	0	0	12		0			12	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 10-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This report is required by law (7 U.S.C. 2143). Failure to report according to the regulations can result in an order Interagency Report Control							MB APPROVED 0579-0036
This report is required by law to cease and desist and to be			lations can r	esult in an order	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL		REGISTRATION NUMBER: 81-R-0001 Custoner Number: 1067		
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF MONTANA DEPT. LAB. ANIMAL RESOURCES MISSOULA, MT 59812 Telephone: 4062434892			
REPORT OF ANIMALS US	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(At	tach additional	sheets, if necessary, or use APHIS FORM 7	7023A.)	
Animals Covered By The Animal Covered By The Animal Welfare Regulations Welfare Regulations Pain of such and the second stress of the s			upon which teaching, re surgery, or conducted accompany distress to and for wh anesthetic, tranquilizin	r tests were the animals and for which the use o		re r distress to priate s would sults, or periments, ocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
North American black bear	0	0	36		0		36

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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> Date Signed 10-Nov-2021

information unless it display	s a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	number for the sponse, inclu	nis information c uding the time for	collecti or revie	ewing instructions, searching	0	MB APPROVED 0579-0036		
This report is required by lav to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		NUMBER: 47-R-0004 : 1552				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF NEBRASKA - LINCOLN 303 CANFIELD ADMINISTRATION BLDG. LINCOLN, NE 68588 Telephone: 402-472-6958; 402-472-2851						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
А.	В.	С.		r of animals E. Number of animals upon which teaching, experiments, research, surgery, or tests were				F.		
	Number of animals being Number of animals upon teaching version surger		teaching, research, co surgery, or tests were th		condu the ar	acted involving accompanying pain on nimals and for which the use of appro-	r distress to priate	TOTAL NUMBER OF		
Animal for use in teaching, conducted involving no accomp		accompany	involving ying pain or the animals	have	hetic, analgesic, or tranquilizing drug adversely affected the procedures, res	sults, or	ANIMALS			
	research, or surgery but not yet used for such purposes	pain-relieving drugs.	and for wh anesthetic,	the animals hich appropriate c, analgesic, or ing drugs were in section of the teaching, research, experin surgery, or tests. (An explanation of the proced producing pain or distress on these animals and reasons such drugs were not used must be attact this report.)		ocedures s and the	(Cols. C + D + E)			
4 Dogs	0	62	0		0			62		
5 Cats	30	3	0		0			3		
6 Guinea Pigs	0	3	0		0			3		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	4	0		0			4		
9 Non-Human Primates	0	185	0		0			185		
10 Sheep	0	0	23		36			59		
11 Pigs	0	0	20		0			20		
12 Other Animals	0	254	54		0			308		
Four-toed hedgehog	0	2	0		0			2		
Domestic Ferret	0	4	0		0			4		
Striped ground squirrel	0	39	0		0			39		
Sugar glider	0	1	0		0			1		
Eastern fox squirrel	0	52	0		0			52		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 15-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching 0579-0036 0579-0036 0579-0036									
This report is required by law to cease and desist and to be s			ations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A IT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL	REGISTRA' Custoner Nu		NUMBER: 47-R-0004 :: 1552			
REPORT	ATION SHEET	H FACILITY		USDA, inclua UNIVERSITY 303 CANFIE LINCOLN, N Telephone: 40	de ZIP Y OF N Y D AL YE 6853 102-472	NEBRASKA - LINCOLN DMINISTRATION BLDG. 188 2-6958; 402-472-2851		ss, as registered with	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number upon which teaching, ru- surgery, or conducted accompany distress to and for wh anesthetic,	r of animals h experiments, esearch, t tests were	E. N expe cond the a anest have inter surge produ- reaso	s, if necessary, or use APHIS FORM 7 Jumber of animals upon which teaching rriments, research, surgery, or tests wer lucted involving accompanying pain or animals and for which the use of approy thetic, analgesic, or tranquilizing drugy adversely affected the procedures, res rpretation of the teaching, research, exp ery, or tests. (An explanation of the pro- lucing pain or distress on these animals ons such drugs were not used must be a report.)	g, re r distress to priate s would sults, or periments, pocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
Coyote	0	56	0		0			56	
Pronghorn	0	80	0		0			80	
Mule deer	0	0	34		0			34	
Deer mouse	0	20	20		0			40	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Exceutive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 15-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 47-R-0018 er: 1551				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Υ	USDA, include University of I	le ZI Nebi RASK 6819	raska Medical Center KA MEDICAL CENTER 98	e and Addre	ess, as registered with		
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whice teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments sch appropriate surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the		e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	12	0	88		0			88		
8 Rabbits	2	10	66		0			76		
9 Non-Human Primates	0	0	47		0			47		
10 Sheep	1	0	1		0			1		
11 Pigs	1	1	57		0			58		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Oct-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 47-R-0021 Customer Number: 1553					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) University of Nebraska- Omaha 6001 DODGE ST, 529 ALLWINE HALL OMAHA, NE 68182 Telephone: 4025594837						
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures		TOTAL NUMBER OF	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	2	65	34		0			99	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 10-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL	REGISTRATION NUMBER: 88-R-0005 Customer Number: 323070					
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY USDA, include ZIP Code) University of Nevada - Reno - Lab Animal Media M.S.340, NELLOR 208 RENO, NV 89557 Telephone: 7757844874							e and Addre	ess, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures		TOTAL NUMBER OF	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	28	0		0			28	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	48		0			48	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 19-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036			
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021			
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 88-R-0006 Customer Number: 323069							
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) University Of Nevada- Las Vegas 4505 South Maryland Parkway PO Box 451092 br/> Las Vegas, NV 89154 Telephone: 7028954811						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)										
А.	В.	С.		r of animals h experiments,		umber of animals upon which teaching iments, research, surgery, or tests we		F.			
	Number of animals being	Number of animals upon which teaching, research,	teaching, re surgery, or	esearch, tests were	condu	ucted involving accompanying pain or nimals and for which the use of appropriate	in or distress to ppropriate rugs would , results, or , experiments,				
Animals Covered By The Animal	bred, conditioned, or held for use in teaching,	experiments, or tests were conducted involving no	conducted accompany	involving ying pain or	anest have	hetic, analgesic, or tranquilizing drugs adversely affected the procedures, res	s would sults, or	TOTAL NUMBER OF ANIMALS			
Welfare Regulations	testing, experiments, research, or surgery but not yet used for such	pain, distress, or use of pain-relieving drugs.	distress to the animals and for which appropriate		surge	pretation of the teaching, research, exp ry, or tests. (An explanation of the pro-	ocedures	(Cols. $C + D + E$)			
	purposes		anesthetic, analgesic, or tranquilizing drugs were used.		reaso	acing pain or distress on these animals ns such drugs were not used must be a eport.)					
4 Dogs	0	0	0		0		0				
5 Cats	0	0	0		0			0			
6 Guinea Pigs	0	0	0		0			0			
7 Hamsters	0	0	0		0			0			
8 Rabbits	0	0	0		0			0			
9 Non-Human Primates	0	0	0		0			0			
10 Sheep	0	0	0		0			0			
11 Pigs	0	0	3		0			3			
12 Other Animals	0	45	127		0			172			
Golden-mantled ground squirrel	0	0	29		0			29			
Tail-less tenrec	0	0	96		0			96			
Pygmy squirrel	0	0	2		0			2			
Desert pocket mouse	0	36	0		0			36			
Long-tailed pocket mouse	0	4	0		0			4			

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 15-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036
This report is required by law to cease and desist and to be s			ations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	Ι	Fiscal Year: 2021
	DEPARTMENT OF A IT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 88-R-0006 Custoner Number: 323069				
· · · -	ATION SHEET I Γ OF RESEARCH (TYPE OR PRINT	H FACILITY		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) University Of Nevada- Las Vegas 4505 South Maryland Parkway PO Box 451092 br/> Las Vegas, NV 89154 Telephone: 7028954811				
REPORT OF ANIMALS US	D BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(A	ttach additional s	sheets,	if necessary, or use APHIS FORM 7	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		mber of animals upon which teaching iments, research, surgery, or tests were teted involving accompanying pain or imals and for which the use of approp- tetic, analgesic, or tranquilizing drugs adversely affected the procedures, res- retation of the teaching, research, exp ry, or tests. (An explanation of the pre- cing pain or distress on these animals as such drugs were not used must be a eport.)	re r distress to priate s would sults, or periments, pocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
Desert woodrat	0	1	0		0			1
Merriam's kangaroo rat	0	3	0		0			3
Norway rat / lab rat (common research/pet variety)	0	1	0		0			1

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use. CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (LO.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

> Date Signed 15-Nov-2021

A. Animals Covered By The Animals Covered By The Muebre of animals upon their teaching, research, or surgery but purposesC. Covered By The Muebre of animals upon which teaching, research, surgery, or tests were conducted involving accompanying pain or distress on these animals and for which the use of appropriate anesthetic, analgesic, or tranglesic, or translands and the reasons such drugs were not used must be attached to the teaching, research, experiments, or tests. (An explanation of the procedures, results, or interpretation of the teaching, research, experiments, producting pain or distress on these animals and the reasons such drugs were not used must be attached to the teaching, research, experiments, or tests. (An explanation of the procedures, results, or interpretation of the teaching, research, experiments, or tests. (An explanation of the teaching, research, experiments, or tests. (An explanation of the teaching, research, experiments, or tests. (An explanation of the teaching, research, experiments, or tests.) (Cost, C + D + E)4 Dogs0000005 Cas00000006 Uninea Figs00000009 Non-Human Finates000000010 Sheep000	According to the Paperwork I	Reduction Act of 1995 an ac	gency may not conduct or sr	onsor and a	person is not re	quired to respond to a coll	ection of				
no. case is and desist and is be subject to penalties as provided for in Section 2150. No. 0180-COA-AN Piscal Year: 2021 No. 0180-COA-AN Control Colspan="2">Control Co	information unless it displays required to complete this info	a valid OMB control number rmation collection is estimat	er. The valid OMB control n ted to average 2 hours per re	umber for th sponse, inclu	is information of iding the time for	collection is 0579-0036. The previewing instructions, s	e time				
AND PLANT HEALTH INSPECTION SERVICE Customer Number: 167 ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) USDA, include ZIP Code) Service OF ANIMALS USDA 5. Collider Provide ZIP Code) NUMPER OF ANIMALS USDA 5. Collider Provide ZIP Code) Number of animals being include ZIP Code) 5. Survices research, surgery, or tests were conducted involving accompanying pain or surgery, or tests were conducted involving accompanying pain or surgery or tests were conducted involving accompanying pain or surgery or tests were conducted involving accompanying pain or surgery, or tests were conducted involving accompanying pain or				lations can re	esult in an order			Fiscal Year: 2021			
ANNOLAL KEY OF RESERVENT IN COLLAR CONTRACTION IN COLLAR STATEMENT IN COLLA				MAL							
A. Animals Covered By The Animals Covered By The Muebre of animals upon their teaching, research, or surgery but purposesC. Covered By The Muebre of animals upon which teaching, research, surgery, or tests were conducted involving accompanying pain or distress on these animals and for which the use of appropriate anesthetic, analgesic, or tranglesic, or translands and the reasons such drugs were not used must be attached to the teaching, research, experiments, or tests. (An explanation of the procedures, results, or interpretation of the teaching, research, experiments, producting pain or distress on these animals and the reasons such drugs were not used must be attached to the teaching, research, experiments, or tests. (An explanation of the procedures, results, or interpretation of the teaching, research, experiments, or tests. (An explanation of the teaching, research, experiments, or tests. (An explanation of the teaching, research, experiments, or tests. (An explanation of the teaching, research, experiments, or tests.) (Cost, C + D + E)4 Dogs0000005 Cas00000006 Uninea Figs00000009 Non-Human Finates000000010 Sheep000	ANNUAL REI			Y	USDA, incluc UNIVERSITY 107 SERVICI DURHAM, N	le ZIP Code) 7 OF NEW HAMPSHIRE 7 BUILDING, 51 COLLEG H 03824		tress, as registered with			
A.B.C.D. Number of animals upon which egriments, or seearch, surgery, or tests were conducted involving accompanying pain or distress or the animals and for which heaving, research, surgery, or tests were conducted involving accompanying pain or distress or the animals and for which heaving, research, surgery, or tests were conducted involving accompanying pain or distress or the animals and for which heaving, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or rangelizing drugs were or which appropriate anesthetic, analgesic, or rangelizing drugs were of the perioding or tests. (An explanation of the procedures, results, or interpretation of the trocking, research, surgery, or tests. (An explanation of the procedures, research, drugs were or used must be attached the section of the section of the procedures, research, drugs were or used must be attached the section of the procedures, research, drugs were or used must be attachedF.4 Dogs000005 Cas000006 Guinea Pigs000007 Hamsters0000008 Rabbits0000000 Sheep00000010 Sheep00000011 Pigs00000012 Other Animals150000012 Other Animals150000	REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
SolutionFactorFactorFactorFactorFactorFactor5 Case00000006 Guine Pigs00000007 Hansters00000008 Rabits00000009 Non-Human Primates00000010 Sheep000000010 Figs000000010 Cher Animals15000000000000000	Animals Covered By The Animal	Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such	Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		experiments, research, su conducted involving accct the animals and for which anesthetic, analgesic, or t have adversely affected th interpretation of the teach surgery, or tests. (An exp producing pain or distress reasons such drugs were t	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to				
And and Guine PigsIndex <th i<="" index<th="" td=""><td>4 Dogs</td><td>0</td><td>0</td><td>0</td><td></td><td colspan="2">0</td><td>0</td></th>	<td>4 Dogs</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td colspan="2">0</td> <td>0</td>	4 Dogs	0	0	0		0		0		
Total 7 HanstersIndiana 	5 Cats	0	0	0		0		0			
Rabits Description Description <thdescription< th=""> <thdescription< th=""> <thd< td=""><td>6 Guinea Pigs</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td></td><td>0</td></thd<></thdescription<></thdescription<>	6 Guinea Pigs	0	0	0		0		0			
Image: Addition of the state of th	7 Hamsters	0	0	0		0		0			
Image: A state of the	8 Rabbits	0	0	0		0		0			
Image: Problem in the system of the	9 Non-Human Primates	0	0	0		0		0			
Image: Second	10 Sheep	0	0	0		0		0			
	11 Pigs	0	0	0		0		0			
	12 Other Animals	115	26	48		13		87			
Cattle / Cow / Ox / Watusi 0 20 0 20 20	Cattle / Cow / Ox / Watusi	0	20	0		0		20			
Domestic Horse 0 0 0 6	Domestic Horse	0	6	0		0		6			
Cactus mouse 115 0 48 0 48 48	Cactus mouse	115	0	48		0		48			
American water shrew 0 0 13 13	American water shrew 0 0 0					13		13			

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 21-Dec-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 85-R-0002 Customer Number: 1071						
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF NEW MEXICO - MAIN CAMPUS Office of A C Compliance 1 Univ of N M Health Sciences Center, BRFG37H, MSC 08 4560 br/> ALBUQUERQUE, NM 87131 Telephone: 5052728738								
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg pro reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress t the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	21	0	26		0			26		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	84	48	0		0			48		
Deer mouse	84	48	0		0			48		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 08-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 85-R-0014 Customer Number: 1076					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF NEW MEXICO HEALTH SCIENCES CENTER Office of A C Compliance 1 Univ of N M Health Science Center, BRF G37 H, MSC 08 4560 br/> ALBUQUERQUE, NM 87131 Telephone: 5052720418						
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, europer, or tota, (An exploration of the procedures)		TOTAL NUMBER OF	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	11		3			14	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0 0		0		
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 11-Nov-2021

information unless it displays	s a valid OMB control numb prmation collection is estima	er. The valid OMB control n ted to average 2 hours per re	number for the sponse, inclusion	is information c uding the time fo	collector rev	viewing instructions, searching	0	MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 72-R-0105 Customer Number: 329030						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	Ϋ́Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF NEW ORLEANS 2000 Lake Shore Drive NEW ORLEANS, LA 70148 Telephone: 5042804032							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg pro reas	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, warrary, or tester (An avaliantion of the procedures)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	33	0	0		0			0		
White-tailed antelope squirrel	33	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Oct-2021

information unless it display required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 55-R-0007 er: 829				
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name USDA, include ZIP Code) UNIVERSITY OF NORTH CAROLINA @ CHARLOTTE 9201 UNIVERSITY CITY BLVD CAMERON HALL, 3RD FLOOR br/> CHARLOTTE, NO Telephone: 7046875017								ss, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, current, or tests. (An explanation of the procedures)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0 0		0			
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 16-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 55-R-0004 Customer Number: 826						
ANNUAL RE	PORT OF RESE. (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF NORTH CAROLINA 312 SOUTH BUILDING CB#4000 CHAPEL HILL, NC 27599 Telephone: 9192187125						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expe cond the a anes have inter surg prod reas	Number of animals upon which teaching, periments, research, surgery, or tests were inducted involving accompanying pain or distra- e animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs woul we adversely affected the procedures, results, o terpretation of the teaching, research, experime regry, or tests. (An explanation of the procedur oducing pain or distress on these animals and th asons such drugs were not used must be attached is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	2	202		0	0		204		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	88	1		0			89		
7 Hamsters	0	6	0		72			78		
8 Rabbits	0	10	65		0			75		
9 Non-Human Primates	0	0	4		0			4		
10 Sheep	0	0	0		0			0		
11 Pigs	0	21	65		0			86		
12 Other Animals	0	0	104		0			104		
Domestic Ferret	0	0	28		0			28		
Mongolian gerbil	0	0	76 0					76		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 45-R-0001 Customer Number: 1557						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	ΥY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF NORTH DAKOTA BOX 9001 GRAND FORKS, ND 58202 Telephone: 7017775736							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg pro reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	60	0	0		0			0		
House mouse / lab mouse	60	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 23-Nov-2021

information unless it display required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 74-R-0081 Customer Number: 1502					
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) (TYPE OR PR								ess, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 74-R-0033 er: 1449				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) University of North Texas Vice President for Research & Innovation P.O. Box 305250-br/> DENTON, TX 76203 Telephone: 9405654643							
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whice teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	expected conditioners the standard have inters surg proor reas	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tests. (An explanation of the procedures		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Dec-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be s			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		JMBER: 84-R-0008 087			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF NORTHERN COLORADO PRESIDENT OFFICE, CARTER 4000 DEPT. OF BIO.ROSS HALL OF SCIENCES GREELEY, CO 80639 Telephone: 9703512121					
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		experime conducte the anim anestheti have adv interpret surgery, producin reasons	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distr the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs wou have adversely affected the procedures, results, or interpretation of the teaching, research, experime surgery, or tests. (An explanation of the procedu producing pain or distress on these animals and t reasons such drugs were not used must be attach this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	212	0	0		0			0	
Jamaican fruit-eating bat / Jamaican fruit bat	30	0	0		0			0	
Deer mouse	182	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Dec-2021

According to the Paperwork information unless it display required to complete this inf existing data sources, gather	s a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	umber for the sponse, inclusion	is information c uding the time for	collection for review	n is 0579-0036. The time ving instructions, searching	OMB APPROVED 0579-0036	
This report is required by lav to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		UMBER: 32-R-0016 776		
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF NOTRE DAME GRAD STUDIES & RSCH, 511 MAIN BUILDING NOTRE DAME, IN 46556 Telephone: 5746316085				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A	ttach additional	sheets, i	f necessary, or use APHIS FORM 7	7023A.)	
А.	В.	С.		r of animals h experiments,		nber of animals upon which teachin nents, research, surgery, or tests we		F.
Animals Covered By The	Number of animals being bred, conditioned, or held	Number of animals upon which teaching, research, experiments, or tests were	teaching, re surgery, or conducted	esearch, tests were involving	conduction the animanesthe	ted involving accompanying pain of mals and for which the use of appro- tric, analgesic, or tranquilizing drug	or distress to opriate gs would	TOTAL NUMBER OF
Welfare Regulations testing, experiments, page 10	conducted involving no pain, distress, or use of		ying pain or the animals	interpre	lversely affected the procedures, re etation of the teaching, research, ex	periments,	ANIMALS	
	research, or surgery but not yet used for such purposes	pain-relieving drugs.	anesthetic,	c, analgesic, or ting drugs were version such drugs were not used must be attached by the result of the sector of the process such drugs were not used must be attached by the result of the sector of		s and the	(Cols. C + D + E)	
4 Dogs	0	0	0		0		0	
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	47		0			47
8 Rabbits	0	0	4		0			4
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	0	0		0			0
11 Pigs	0	0	0		0			0
12 Other Animals	24	208	0		5			213
Northern short-tailed shrew	0	2	0		0			2
Northern flying squirrel	0	0	0		0			0
Southern flying squirrel	0	3	0		0			3
Gappers red-backed vole	0	1	0		0			1
Woodland jumping mouse	0	17	0		0			17

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 23-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This report is required by law (7 U.S.C. 2143). Failure to report according to the regulations can result in an order Interagency Report Control							
This report is required by law to cease and desist and to be s			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021
	DEPARTMENT OF A IT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 32-R-0016 Custoner Number: 776				
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) (TYPE OR PRINT) (TYP						rss, as registered with		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, current, or tast; (An explanation of the procedures		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
Least chipmunk	0	0	0		0			0
White-footed mouse	0	42	0		0			42
Deer mouse	0	143	0		0			143
Common tree shrew	0	0	0		0			0
Masked shrew	0	0	0		5			5
Eastern chipmunk	21	0	0		0			0
American red squirrel	0	0	0		0			0
Meadow jumping mouse	3	0	0		0			0

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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Date Signed 23-Nov-2021

information unless it displays	a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	umber for the sponse, inclu-	is information c uding the time fo	collector re	viewing instructions, searching	0	MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 73-R-0007 Customer Number: 1468						
ANNUAL RE	Ϋ́Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF OKLAHOMA P. O. BOX 26901 OKLAHOMA CITY, OK 73190 Telephone: 4033253106								
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	ents, experiments, research, surgery, or tests were conducted involving accompanying pain or dis the animals and for which the use of appropria anesthetic, analgesic, or tranquilizing drugs we have adversely affected the procedures, results interpretation of the teaching, research, experi- riate surgery, or tests. (An explanation of the procec or producing pain or distress on these animals and		re r distress to priate s would sults, or periments, ocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	78		0			78		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	39		0			39		
9 Non-Human Primates	0	54	6		0			60		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	6		0			6		
Domestic Goat	0	0	6		0			6		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 16-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 92-R-0043 er: 1052				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		USDA, includ UNIVERSITY 5218 Universi EUGENE, OK	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF OREGON 5218 University of Oregon EUGENE, OR 97403 Telephone: 5413464958						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	exp con the ane hav inte surg pro reas	Number of animals upon which teaching beriments, research, surgery, or tests wer aducted involving accompanying pain or animals and for which the use of approp esthetic, analgesic, or tranquilizing drugs we adversely affected the procedures, res erpretation of the teaching, research, exp gery, or tests. (An explanation of the pro- ducing pain or distress on these animals sons such drugs were not used must be a s report.)	distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	16		0			16		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 08-Nov-2021

information unless it display	s a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	umber for the sponse, inclusion	nis information c uding the time for	collector for rev	iewing instructions, searching	OMB APPROVED 0579-0036			
This report is required by lav to cease and desist and to be			lations can r	esult in an order	ŗ	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRA Customer Nu		NUMBER: 23-R-0023 r: 309				
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF PENNSYLVANIA Office of The Vice Provost For Research I College Hall Suite 118a PHILADELPHIA, PA 19104 Telephone:						
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)										
А.	В.	С.		r of animals h experiments,		Number of animals upon which teaching eriments, research, surgery, or tests we		F.		
	Number of animals being	Number of animals upon which teaching, research,	teaching, r		cond	ducted involving accompanying pain of animals and for which the use of appropriate	distress to	TOTAL NUMBER OF		
Animal for use in teach	bred, conditioned, or held for use in teaching,	experiments, or tests were conducted involving no	conducted accompany	accompanying pain or h		sthetic, analgesic, or tranquilizing drugs e adversely affected the procedures, res	s would ults, or	TOTAL NUMBER OF ANIMALS		
Welfare Regulations	research, or surgery but pain-relieving drugs. and f		and for wh	the animals ich appropriate	surg	rpretation of the teaching, research, exp ery, or tests. (An explanation of the pro-	ocedures	(Cols. $C + D + E$)		
	purposes			ic, analgesic, or producing pain or distress on these animals and reasons such drugs were not used must be attached this report.)			(cold c + 2 + 2)			
4 Dogs	108	81	381		0			462		
5 Cats	54	0	190		0			190		
6 Guinea Pigs	0	0	144		0			144		
7 Hamsters	0	48	47		0			95		
8 Rabbits	0	0	71		0			71		
9 Non-Human Primates	0	141	51		0			192		
10 Sheep	0	30	77		0			107		
11 Pigs	275	284	395		397			1076		
12 Other Animals	60	587	218		0			805		
Domestic Goat	0	5	29		0			34		
Alpaca	0	2	0		0			2		
Mongolian gerbil	0	105	3		0			108		
Cattle / Cow / Ox / Watusi	0	455	100		0			555		
House shrew	60	20	45		0			65		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

According to the Paperwork I information unless it displays required to complete this info existing data sources, gatherin	0	MB APPROVED 0579-0036					
This report is required by law to cease and desist and to be s			ations can r	esult in an order	Interagency Report Control No. 0180-DOA-AN	J	Fiscal Year: 2021
	DEPARTMENT OF A IT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 23-R-0023 Custoner Number: 309			
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				USDA, inclua UNIVERSITY Office of The	ARTERS RESEARCH FACILITY (Name e ZIP Code) OF PENNSYLVANIA Vice Provost For Research Il Suite 118a PHILADELPHIA, PA 19		ss, as registered with
REPORT OF ANIMALS US	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(A	ttach additional	sheets, if necessary, or use APHIS FORM 7	'023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teachin, experiments, research, surgery, or tests we conducted involving accompanying pain o the animals and for which the use of appro anesthetic, analgesic, or tranquilizing drug have adversely affected the procedures, res interpretation of the teaching, research, exp surgery, or tests. (An explanation of the pr producing pain or distress on these animals reasons such drugs were not used must be this report.)	re or distress to opriate (s would sults, or periments, occedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
Common marmoset	0	0	27		0		27
Common tree shrew	0	0	14		0		14

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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Date Signed 29-Nov-2021

information unless it display	s a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	number for the sponse, inclu-	is information c uding the time for	collecti or revi	ewing instructions, searching	OMB APPROVED 0579-0036			
This report is required by lav to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRA		NUMBER: 23-R-0016 : 289				
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF PITTSBURGH 3500 TERRACE STREET SI040 TE STARZL BIOMEDICAL SCIENCE TOWER PITTSBURGH, PA 15261 Telephone: 4123832009						
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)										
А.	В.	С.		er of animals E. Number of animals upon which teaching, experiments, research, surgery, or tests were			re	F.		
Number of animals being which teaching, researc		Number of animals upon which teaching, research,	teaching, re surgery, or	tests were	the ar	ucted involving accompanying pain o nimals and for which the use of appro	priate	TOTAL NUMBER OF		
Animal Welfare Regulations	for use in teaching, testing, experiments,	conducted involving no accompanying pain or have adversely affected the procedures,			sults, or	ANIMALS				
	research, or surgery but not yet used for such purposes	pain-relieving drugs.	and for wh anesthetic,	hich appropriate surgery, or tests. (An explanation of the proceed c, analgesic, or reasons such drugs were not used must be attact this report.)		ocedures and the	(Cols. C + D + E)			
4 Dogs	0	0	35		0			35		
5 Cats	0	0	59		4			63		
6 Guinea Pigs	0	20	34		0			54		
7 Hamsters	0	0	0		153			153		
8 Rabbits	0	2	469		96			567		
9 Non-Human Primates	9	12	694		98			804		
10 Sheep	0	2	22		0			24		
11 Pigs	0	0	237		0			237		
12 Other Animals	8	37	49		169			255		
Domestic Ferret	0	5	0		169			174		
Mongolian gerbil	0	0	34		0			34		
Cattle / Cow / Ox / Watusi	0	0	9		0			9		
Deer mouse	0	18	0		0			18		
House shrew	8	14	6		0			20		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							O	MB APPROVED 0579-0036
This report is required by law to cease and desist and to be s			lations can re	esult in an order		Interagency Report Control No. 0180-DOA-AN	Fiscal Year: 2021	
UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE				REGISTRATION NUMBER: 23-R-0016 Custoner Number: 289				
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF PITTSBURGH 3500 TERRACE STREET SI040 TE STARZL BIOMEDICAL SCIENCE TOWER > PITTSBURGH, PA 15261 Telephone: 4123832009				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(At	ttach additional	sheets,	s, if necessary, or use APHIS FORM 7(023A.)	
A. Animals Covered By The Animal Welfare Regulations	nals Covered By The nal fare Regulations Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such		upon which teaching, re surgery, or conducted accompany distress to t and for whi	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to he animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reacons such drugs were not used must be attached to		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)

used

this report.)

ASSURANCE STATEMENTS

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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Date Signed 05-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.										
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		NUMBER: 94-R-0109 r: 960				
(TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) University of Puerto Rico PO Box 365067 - Medical Science Campus San Juan, PR 00936 Telephone: 7877584417				ess, as registered with		
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)										
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	anesthetic, analgesic, or tranquilizing drugs were		expe cond the a anes have inter surg prod reas	Number of animals upon which teaching, periments, research, surgery, or tests were nducted involving accompanying pain or distress e animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would ve adversely affected the procedures, results, or erpretation of the teaching, research, experiments rgery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the usons such drugs were not used must be attached t s report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0		0			
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	45		0			45		
9 Non-Human Primates	0	4088	84		0			4172		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	77	0		0			77		
Dog Adult	0	25	0		0			25		
Cat Adult	0	12	0		0			12		
Domestic Horse	0	5	0		0			5		
Cattle / Cow / Ox / Watusi	0	20	0		0			20		
Sheep including all domestic										

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This report is required by law (7 U.S.C. 2143). Failure to report according to the regulations can result in an order Interagency Report Control							MB APPROVED 0579-0036
This report is required by law to cease and desist and to be s			ations can re	esult in an order	Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021
UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE				REGISTRATION NUMBER: 94-R-0109 Custoner Number: 960			
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) University of Puerto Rico PO Box 365067 - Medical Science Campus San Juan, PR 00936 Telephone: 7877584417			
REPORT OF ANIMALS US	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(At	tach additional	sheets, if necessary, or use APHIS FORM 7	023A.)	
Animals Covered By The AnimalNumber of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for suchNumber of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.upon wh teaching, surgery, surgery, accompa distress in and for v anesthetic			upon which teaching, re surgery, or conducted accompany distress to t and for wh anesthetic, tranquilizir	tests were involving ving pain or	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
breeds	0	15	0		0		15

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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Date Signed 05-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 15-R-0004 er: 268			
ANNUAL RE	ΥY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF RHODE ISLAND 70 LOWER COLLEGE ROAD KINGSTON, RI 02881 Telephone:							
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg pro reas	Number of animals upon which teaching eriments, research, surgery, or tests wer ducted involving accompanying pain or animals and for which the use of appro sthetic, analgesic, or tranquilizing drug; e adversely affected the procedures, res erpretation of the teaching, research, exp gery, or tests. (An explanation of the pro ducing pain or distress on these animals sons such drugs were not used must be report.)	re distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	5	6	155		0			161	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	52	63	0		0			63	
White-footed mouse	52	63	0		0			63	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 19-Nov-2021

Ibit report is regularde by law (? U.S.C. 2143). Failure to prover according to the regulardence arrow of the arrow o	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching 0579-0036 0579-0036 0579-0036									
AND PLANT HEALTH INSPECTION SERVICE Control Service ANDULAL REPORT OF RESEARCH FACULITY (TYPE OR PRINT) EACOUNT TO SERVICE IELOUVETERS RESEARCH FACULITY (None and Address, as registered with USDA, include ZP Cole) VIEW STATION OF ANIMALS UNDER CONTROL SERVICE IELOUVETERS RESEARCH FACULITY (None and Address, as registered with USDA, include ZP Cole) VIEW STATION OF ANIMALS UNDER CONTROL SERVICE IELOUVETERS RESEARCH FACULITY (None and Address, as registered with USDA, include ZP Cole) Animals Covered By the Animals Covered By the Animals Covered By the Minimute containing and for use in technic, service, experiments, not yet used for useh purposed in technic, service, adjection of the procedures, reals or conducted in oviving point of the technic service, company point discuss to the technic service, adjection of the technic service, adjectic, adjection of the technic service, adjection				lations can r	esult in an order	r			Fiscal Year: 2021	
ANIMULAL KUTOK TOK RUSSIAKCITACLISTT USBA. Include 2P Code) LINE LENTO OF ANNALS LINE LENTO OF ROBUSTIR INTEGENTION OF ROBUSTIR PORTO FOR COLLECTING DISCRETANCE AND ADDRESS AND INFORMATION AND ADDRESS AND ADDRES				MAL						
A.B.C.D. Number of animals upon which teaching. upon which caching. serverine. surgery, or tests were conducted involving occompanying pain or distress to the animals upon which teaching. serverine. surgery, or tests were conducted involving occompanying pain or distress to the animals upon which use of appropriated hander distress to the animals upon which use of appropriated hander distress to the animals and for which use of appropriated hander distress to the animals and for which use of appropriated hander distress to the animals and for which use of appropriated hander distress to the animals and for which use of appropriated hander distress to the animals and for which use of appropriated hander distress to the animals and for which appropriation on the teaching. rescarch, erverting accompanying pain or distress to the animels. and for which appropriation of the teaching. rescarch, erverting accompanying pain or distress to the animals and for which appropriation of the teaching. rescarch, erverting accompanying pain or distress to the animels. AnIMALS (cols. C + D + E)4 Dogs000005 Cars000006 Gainea Pigs000007 Hamsters0000009 Non-Human Primates5323234400010 Sheep000000011 Pigs000000012 Other Animals7611233200013 Mander Monder at Damanal ad molerat/ Damanal ad b					USDA, include ZIP Code) UNIVERSITY OF ROCHESTER 601 ELMWOOD AVENUE PO BOX 674 ROCHESTER, NY 14642					
A.B.C.D. Number of animals upon which teaching. upon which caching. serverine. surgery, or tests were conducted involving occompanying pain or distress to the animals upon which teaching. serverine. surgery, or tests were conducted involving occompanying pain or distress to the animals upon which use of appropriated 										
Animals Covered By The Animals Covered By The Animals Covered By The Animals Covered By The Animals Covered By The Conducted involving accompanying pain of distress of the animals and for which the use of appropriate producted involving accompanying pain of distress of the animals and for which the use of appropriate producted involving accompanying pain of distress of the animals and for which the use of appropriate producted involving accompanying pain of distress of the animals and for which the use of appropriate producted involving accompanying pain of distress of the animals and for which appropriate producted involving accompanying pain of distress of the animals and for which appropriate producted involving accompanying pain of distress of the animestanci analysis, or transplicting difty software producting pain of distress of the animestanci analysis, or transplicting difty software producting pain of distress of the animestanci and procedures, result, software producting pain of distress of the animestanci analysis, or transplicting difty software producting pain of distress of the animestanci analysis, or transplicting difty softwareTotal NUMBER OF AINALS (distress of the animestanci analysis, or transplicting difty software producting pain of distress of the animestanci analysis, or transplicting difty software producting pain of distress of the animals and for which appropriate pain of distress of the animals and for which appropriate pain of distress of the animals and for which appropriate pain of distress of the animals and for which appropriate pain of distress of the animals and for which appropriate pain of distress of the animals and for which appropriate pain of distress of the animals and for which appropriate pain distress of the animals and for which appropriate pain distress of the animals of the adverse of the adverse of the adverse of the adverse of the	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY(Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
4 Dogs000005 Cats0550106 Cuinea Pigs0000007 Hansters0000008 Rabbis085606409 Non-Human Primates53234406710 Sheep00000011 Pigs0020214710 Sonegrbil0415046Damara/Damaraland hole-nt/ Damaraland blesnol17017017Domestic Ferret00170170	Animals Covered By The Animal	Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such	Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of	upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		experience condu- the an anest have interp surge produ- reaso	periments, research, surgery, or tests were iducted involving accompanying pain or distress to animals and for which the use of appropriate sthetic, analgesic, or tranquilizing drugs would re adversely affected the procedures, results, or repretation of the teaching, research, experiments, gery, or tests. (An explanation of the procedures ducing pain or distress on these animals and the sons such drugs were not used must be attached to		TOTAL NUMBER OF	
Action Guinea PigsAction ControlAction ControlAction Control6 Guinea Pigs0000007 Hansters00000008 Rabbis005600009 Non-Hunan Primates532344000010 Sheep0000000011 Pigs0020000012 Other Animals761123320000Domaral Ondonerati Damanaland besmol17050000Donesic Feret000170000	4 Dogs	0	0			0			0	
7 Hansters000008 Rabbis08560649 Non-Human Primaes53234406710 Sheep00000011 Figs00202212 Oher Animals776112332147Mongolian gerbil0415046Damara/Damaraland nole-rat/ Damaral And blesmol170175Donestic Ferret001701717	5 Cats	0	5	5		0			10	
8 Rabbins 10 10 10 10 10 10 10 $9 Non-Human Primates$ 53 23 44 0 67 $10 Sheep$ 0 0 0 0 0 0 $11 Pigs$ 0 0 2 0 2 $12 Other Animals$ 76 112 33 2 147 $Mongolian gerbil$ 0 41 5 0 46 $Damara/Damaraland mole-rat/Damaraland blesnol1701700017017017$	6 Guinea Pigs	0	0	0		0			0	
Pinnel Pinnel<	7 Hamsters	0	0	0		0			0	
IndexIndexIndexIndexIndexIndex10 Sheep00000011 Pigs00202212 Other Animals776112332147Mongolian gerbil0415046Damara / Damaraland mole-rat / Damaraland besmol17050Domestic Feret0017017	8 Rabbits	0	8	56		0			64	
I Pigs0020212 Other Animals776112332147Mongolian gerbil0415046Damara / Damaraland mole-rat / Damaraland blesmol170505Domestic Feret00170170	9 Non-Human Primates	53	23	44		0			67	
12 Other Animals776112332147Mongolian gerbil0415046Damara / Damaraland mole-rat / Damaraland blesmol170505Domestic Feret00170170	10 Sheep	0	0	0		0			0	
And the second	11 Pigs	0	0	2		0			2	
Damara / Damaraland mole-rat / Damaraland blesmol 17 0 5 0 5 Domestic Ferret 0 0 17 0 17	12 Other Animals	776	112	33		2			147	
Damaraland blesmol170505Domestic Ferret0017017	Mongolian gerbil	0	41	5		0			46	
		17	0	5		0			5	
Deer mouse 0 6 0 6	Domestic Ferret	0	0	17		0			17	
	Deer mouse	0	0	6		0			6	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 11-Nov-2021

According to the Paperwork F information unless it displays required to complete this info existing data sources, gatherin	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be s			lations can r	esult in an order	Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021	
	DEPARTMENT OF A IT HEALTH INSPEC	GRICULTURE ANIN TION SERVICE	MAL	REGISTRAT Custoner Nur	TION NUMBER: 21-R-0109 mber: 343			
REPORT	ATION SHEET	H FACILITY		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF ROCHESTER 601 ELMWOOD AVENUE PO BOX 674 br/> ROCHESTER, NY 14642 Telephone: 5852750017				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	ROL OF RESEARCH FA	.CILITY(At	ttach additional s	sheets, if necessary, or use APHIS FORM	1 7023A.)		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	h experiments, esearch, r tests were involving ying pain or the animals tich appropriate analgesic, or ng drugs were	E. Number of animals upon which teach experiments, research, surgery, or tests conducted involving accompanying pain the animals and for which the use of app anesthetic, analgesic, or tranquilizing dh have adversely affected the procedures, interpretation of the teaching, research, surgery, or tests. (An explanation of the producing pain or distress on these anim reasons such drugs were not used must this report.)	were n or distress to propriate rugs would results, or experiments, procedures nals and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
Degu	24	0	0		0		0	
Naked mole-rat	651	65	0		2		67	
Turkish Spiny Mouse / African Spiny Mouse	84	6	0		0		6	

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> Date Signed 11-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 93-R-0131 er: 1150			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) (TYPE OR PR							e and Addre	ss, as registered with	
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experimen teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals		exp con the ane: have inte surg proo	Number of animals upon which teaching eriments, research, surgery, or tests wer ducted involving accompanying pain or animals and for which the use of approj sthetic, analgesic, or tranquilizing drugs e adversely affected the procedures, res erpretation of the teaching, research, exp gery, or tests. (An explanation of the pro- ducing pain or distress on these animals sons such drugs were not used must be a report.)	re distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0					0	
12 Other Animals	0	0	0 0					0	

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 07-Dec-2021

information unless it displays	ed to respond to, a collection of ction is 0579-0036. The time viewing instructions, searching mation.	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 23-R-0133 er: 374			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF SCRANTON 800 LINDEN STREET SCRANTON, PA 18510 Telephone: 5709416190					
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		conducted involving accompanying pain or dis the animals and for which the use of appropriat anesthetic, analgesic, or tranquilizing drugs wo have adversely affected the procedures, results, interpretation of the teaching, research, experin		e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0	0			0		

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 23-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 64-R-0008 er: 854			
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF SOUTH ALABAMA DEPT OF COMPARATIVE MEDICINE 992 MSB br/> MOBILE, AL 36688 Telephone: 2514606239							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expected constitutes aness have inter surg proor reas	Number of animals upon which teaching eriments, research, surgery, or tests wer ducted involving accompanying pain or animals and for which the use of approy sthetic, analgesic, or tranquilizing drugg e adversely affected the procedures, res rpretation of the teaching, research, exp gery, or tests. (An explanation of the pro- ducing pain or distress on these animals sons such drugs were not used must be a report.)	re distress to priate s would ults, or periments, pocedures a and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	9		0			9	
7 Hamsters	0	0	92		0			92	
8 Rabbits	0	0	3		0			3	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	24		0			24	
12 Other Animals	0	0	2		0			2	
Cotton Deermouse	0	0	1		0			1	
Eastern woodrat	0	0	1		0			1	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 08-Nov-2021

information unless it display required to complete this inf	s a valid OMB control numb	er. The valid OMB control n ted to average 2 hours per re	number for the sponse, inclu	nis information c uding the time for	uired to respond to, a collectio ollection is 0579-0036. The tim r reviewing instructions, search nformation.	ie C	OMB APPROVED 0579-0036				
	w (7 U.S.C. 2143). Failure to subject to penalties as provide		lations can r	esult in an order	Interagency Report C No. 0180-DOA-A		Fiscal Year: 2021				
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT	TON NUMBER: 56-R-0003 mber: 901						
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF SOUTH CAROLINA OFFICE OF RESEARCH COMPLIANCE COLUMBIA, SC 29208 Telephone: 8035281577						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)										
А.	В.	С.		r of animals h experiments,	E. Number of animals upon we experiments, research, surgery		F.				
Animals Covered By The Animal	Number of animals being bred, conditioned, or held for use in teaching,	Number of animals upon which teaching, research, experiments, or tests were			conducted involving accompatible animals and for which the animals and for which the anesthetic, analgesic, or tranque have adversely affected the pro-	nying pain or distress to use of appropriate uilizing drugs would	TOTAL NUMBER OF				
Welfare Regulations	testing, experiments, research, or surgery but not yet used for such purposes	pain, distress, or use of pain-relieving drugs.	distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		interpretation of the teaching, surgery, or tests. (An explanati producing pain or distress on t reasons such drugs were not us this report.)	ion of the procedures hese animals and the	ANIMALS (Cols. C + D + E)				
4 Dogs	0	0	0		0		0				
5 Cats	0	0	0		0		0				
6 Guinea Pigs	0	0	0		0		0				
7 Hamsters	0	0	0		0		0				
8 Rabbits	0	0	0		0		0				
9 Non-Human Primates	0	0	0		0		0				
10 Sheep	0	0	0		0		0				
11 Pigs	0	0	0		0		0				
12 Other Animals	1969	1158	0		0		1158				
Deer mouse	772	447	0		0		447				
California mouse	395	319	0		0		319				
Cactus mouse	42	0	0		0		0				
Oldfield mouse	258	92	0		0		92				
White-footed mouse	502	300	0		0		300				

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 11-Oct-2021

information unless it displays	quired to respond to, a collection of ollection is 0579-0036. The time or reviewing instructions, searching nformation.	OM	MB APPROVED 0579-0036				
This report is required by law to cease and desist and to be s			ations can re	esult in an order	Interagency Report Control No. 0180-DOA-AN	F	Fiscal Year: 2021
AND PLANT HEALTH INSPECTION SERVICE				REGISTRATION NUMBER: 56-R-0003 Custoner Number: 901			
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF SOUTH CAROLINA OFFICE OF RESEARCH COMPLIANCE COLUMBIA, SC 29208 Telephone: 8035281577			
REPORT OF ANIMALS USF	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(At	ttach additional s	sheets, if necessary, or use APHIS FORM 7	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re surgery, or conducted accompany distress to t and for whi anesthetic,	h experiments, esearch, tests were involving ying pain or the animals ich appropriate analgesic, or	E. Number of animals upon which teaching experiments, research, surgery, or tests were conducted involving accompanying pain or the animals and for which the use of approp anesthetic, analgesic, or tranquilizing drugs have adversely affected the procedures, rese interpretation of the teaching, research, exp surgery, or tests. (An explanation of the pro- producing pain or distress on these animals reasons such drugs were not used must be a	re r distress to priate s would sults, or periments, ocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)

used.

this report.)

ASSURANCE STATEMENTS

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (LO.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 11-Oct-2021

information unless it displays	ed to respond to, a collection of ction is 0579-0036. The time viewing instructions, searching rmation.	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 46-R-0001 er: 1560				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF SOUTH DAKOTA 414 EAST CLARK STREET VERMILLION, SD 57069 Telephone: 6056775647							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were		conducted involving accompanying pain or distre the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, on interpretation of the teaching, research, experimen surgery, or tests. (An explanation of the procedure producing pain or distress on these animals and th		re distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0 0 0					0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 26-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching oxf99-0036 oxf99-00								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		NUMBER: 58-R-0015 r: 930			
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF SOUTH FLORIDA 12901 BRUCE B DOWNS BLVD MDC 20 TAMPA, FL 33612 Telephone: 8139740954							
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A	ttach additional	sheets	s, if necessary, or use APHIS FORM 7	023A.)		
А.	В.	С.	D. Number of animals upon which experiments, experiments, research, surgery, or tests were				F.		
Animals Covered By The Animal Welfare Regulations	Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	esearch, tests were	cond the a aness have inter surge prod rease	speriments, research, success work involving accompanying pain or he animals and for which the use of approp nesthetic, analgesic, or tranquilizing drugs ave adversely affected the procedures, resu- nterpretation of the teaching, research, expe- urgery, or tests. (An explanation of the pro- oroducing pain or distress on these animals easons such drugs were not used must be at his report.)		TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	60		0			60	
7 Hamsters	0	0	20		2			22	
8 Rabbits	0	0	5		0			5	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	3		0			3	
11 Pigs	0	0	118		0			118	
12 Other Animals	76	0	28		0			28	
Cairo spiny mouse	28	0	28		0			28	
Naked mole-rat	48	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	-	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 93-R-0020 er: 1185		
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) University of Southern California 3720 SOUTH FLOWER STREET, ROOM 325 LOS ANGELES, CA 90089 Telephone: 2137406709						
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional	sheet	ts, if necessary, or use APHIS FORM 70	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expected constitutes anest have inter surg proor reas	Number of animals upon which teaching eriments, research, surgery, or tests wer ducted involving accompanying pain or animals and for which the use of approj sthetic, analgesic, or tranquilizing drug; e adversely affected the procedures, res rpretation of the teaching, research, exp gery, or tests. (An explanation of the pro- ducing pain or distress on these animals sons such drugs were not used must be a report.)	r distress to priate s would sults, or periments, pocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	2		0			2
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	0	0	36		0			36
9 Non-Human Primates	0	0	2		0			2
10 Sheep	0	0	2		0			2
11 Pigs	0	0	70		0			70
12 Other Animals	0	0	294		0			294
Cairo spiny mouse	0	0	293		0			293
Mongolian gerbil	0	0 1 0						1

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 65-R-0505 er: 953			
ANNUAL RE	Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF SOUTHERN MISSISSIPPI 118 COLLEGE DRIVE #5116 HATTIESBURG, MS 39406 Telephone: 6014083468							
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or dis the animals and for which the use of appropria anesthetic, analgesic, or tranquilizing drugs we have adversely affected the procedures, results interpretation of the teaching, research, experi- surgery, or tests. (An explanation of the proce- producing pain or distress on these animals and reasons such drugs were not used must be attact this report.)		re distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	23		0			23	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	22	0	2		0			2	
11 Pigs	0	0	0		0			0	
12 Other Animals	1	0	0		0			0	
Cattle / Cow / Ox / Watusi	1	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

According to the Paperwork information unless it display: required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 63-R-0001 er: 29			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF TENNESSEE - CHATTANOOGA 975 EAST THIRD ST. BOX 339 Telephone: 4237782960 CHATTANOOGA, TN 37403 Telephone: 4237782960								ss, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An exploration of the procedures)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	137	0		0			137	
12 Other Animals	0	0	0 0 0					0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
	w (7 U.S.C. 2143). Failure to subject to penalties as provide		llations can r	result in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL		REGISTRATION NUMBER: 63-R-0107 Customer Number: 841				
ANNUAL RE	ΥY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF TENNESSEE - MEMPHIS Office of Animal Care and use 910 Madison avenue Suite 650 MEMPHIS, TN 38163 Telephone:							
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	8	0		0			8	
7 Hamsters	0	0	0		180			180	
8 Rabbits	0	49	12		0			61	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	41	145		0			186	
12 Other Animals	0	20	0		164			184	
Deer mouse	0	20	0		164			184	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 74-R-0075 er: 1452			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) University of Texas - Arlington OFFICE OF RESEARCH BOX 19188 br/> ARLINGTON, TX 76019 Telephone: 8172721234						
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, europer, or tests. (An explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0				0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Dec-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 74-R-0065 er: 1476			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) University of Texas - M.D. Anderson Cancer Center 1515 HOLCOMBE BLVD BOX 1640 HOUSTON, TX 77030 Telephone: 7137925609								ess, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An exploration of the procedures)		TOTAL NUMBER OF	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	3		0			3	
7 Hamsters	0	0	265		0			265	
8 Rabbits	0	0	122		0			122	
9 Non-Human Primates	24	2499	96		0			2595	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	21		0			21	
12 Other Animals	0	0	0 0					0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 24-Nov-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	-	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRA' Customer Nu		NUMBER: 74-R-0029 :: 1453			
ANNUAL RE	PORT OF RESE. (TYPE OR PRINT		Y	USDA, inclua UNIVERSITY VICE PRESII	de ZIP Y OF T DENT 96 <th>EXAS AUSTIN FOR RESEARCH /> AUSTIN, TX 78713</th> <th>e and Addre</th> <th>ess, as registered with</th>	EXAS AUSTIN FOR RESEARCH /> AUSTIN, TX 78713	e and Addre	ess, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		experi- condi- the an anest have interp surge produ- reaso	Number of animals upon which teaching, periments, research, surgery, or tests were nducted involving accompanying pain or distress to e animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would ve adversely affected the procedures, results, or repretation of the teaching, research, experiments, regery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the asons such drugs were not used must be attached to is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	138	204	0		0			204	
8 Rabbits	0	5	0		0			5	
9 Non-Human Primates	44	13	44		0			57	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	75	547	150		0			697	
Mongolian gerbil	75	150	10		0			160	
California vole	0	313	125		0			438	
Alston's brown mouse / Short-tailed singing mouse	0	84	15		0			99	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 74-R-0069 Customer Number: 1473						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	Ϋ́Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) University of Texas- El Paso 500 W UNIVERSITY AVE I A C U C OFFICE, ADMIN. 209 br/> EL PASO, TX 79968 Telephone: 9157476056							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg pro reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to he animals and for which the use of appropriate inesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, urgery, or tests. (An explanation of the procedures oroducing pain or distress on these animals and the easons such drugs were not used must be attached to his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	400	55		0			455		
Prairie vole	0	400	55		0			455		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 24-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	-	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 74-R-0073 er: 1469				
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) University of Texas 301 UNIVERSITY BLVD OFFICE OF THE ASSOCIATE DEAN FOR RESEARCH br/> GALVESTON, TX 77550 Telephone: 4097722138								
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg pro reas	Number of animals upon which teaching, cperiments, research, surgery, or tests were onducted involving accompanying pain or distress e animals and for which the use of appropriate resthetic, analgesic, or tranquilizing drugs would ave adversely affected the procedures, results, or terpretation of the teaching, research, experiments urgery, or tests. (An explanation of the procedures roducing pain or distress on these animals and the asons such drugs were not used must be attached is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	146	128	0		388			516		
7 Hamsters	538	1038	2		137	1		2411		
8 Rabbits	8	0	15		71			86		
9 Non-Human Primates	61	163	46		292			501		
10 Sheep	59	0	103		0			103		
11 Pigs	5	0	36		0			36		
12 Other Animals	0	116	0		17			133		
Deer mouse	0	113	0		0			113		
Black-footed ferret 0 3 0					17			20		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 09-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		NUMBER: 74-R-0071 : 1455			
ANNUAL RE	PORT OF RESE. (TYPE OR PRINT		Y	2. HEADQU USDA, includ University of 7703 FLOYD SAN ANTONI Telephone: 2.	de ZIP Texas O CURL 10, TX	DR 78229	e and Addre	ess, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exper condu the ar anestl have interp surge produ reason	Number of animals upon which teaching, periments, research, surgery, or tests were aducted involving accompanying pain or distress to animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would we adversely affected the procedures, results, or erpretation of the teaching, research, experiments, gery, or tests. (An explanation of the procedures aducing pain or distress on these animals and the usons such drugs were not used must be attached to s report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	6		0			6	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	170	216		0			386	
8 Rabbits	0	0	10		0			10	
9 Non-Human Primates	0	38	126		0			164	
10 Sheep	0	0	0		0			0	
11 Pigs	4	0	66		0			66	
12 Other Animals	0	209	14		0			223	
Domestic Goat	0	0 14 0 14				14			
Naked mole-rat	0	154	0		0			154	
Damara / Damaraland mole-rat / Damaraland blesmol	0	55	0		0			55	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 08-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
	w (7 U.S.C. 2143). Failure to subject to penalties as provide		lations can r	result in an order	r	Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL		REGISTRATION NUMBER: 74-R-0072 Customer Number: 1464				
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) University of Texas 5323 HARRY HINES BLVD DALLAS, TX 75390 Telephone: 2146482007				
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. N expected conditional the a aness have inter surg prod rease	Number of animals upon which teaching, experiments, research, surgery, or tests were onducted involving accompanying pain or distress e animals and for which the use of appropriate testhetic, analgesic, or tranquilizing drugs would we adversely affected the procedures, results, or terpretation of the teaching, research, experiments rgery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the asons such drugs were not used must be attached is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	1	9		0			10	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	132		0			132	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	32	13		0			45	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	1	88		0			89	
12 Other Animals	0	29	0		102			131	
Mongolian gerbil	0	2	0		0			2	
Chinchilla	0	2	0		102			104	
Meadow jumping mouse	0	25	0		0			25	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 07-Oct-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL	REGISTRAT Customer Nu		N NUMBER: 74-R-0068 er: 1454			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	ARCH FACILIT	Y	USDA, include	le ZL Texa V STL TX 77	is REET MSE R 654 7030	and Addre	ss, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, current, or tasts. (An explanation of the procedures				
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	3	2	86		0			88	
9 Non-Human Primates	0	0	16		0			16	
10 Sheep	2	5	1		0			6	
11 Pigs	1	0	193		0			193	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Nov-2021

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
	w (7 U.S.C. 2143). Failure to subject to penalties as provide		lations can r	result in an order	r	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 74-R-0078 er: 1477				
ANNUAL RE	EPORT OF RESE (TYPE OR PRINT		Y	2. HEADQU USDA, includ University of ' 11937 U S HV TYLER, TX 7' Telephone: 90	de ZI. Texa WY 2 5708	15 271 3	e and Addre	ess, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, current, or tests. (An explanation of the procedures				
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	97		0			97		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0 0 0							

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 15-Nov-2021

information unless it display	ed to respond to, a collection of ction is 0579-0036. The time viewing instructions, searching mation.	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be	w (7 U.S.C. 2143). Failure to subject to penalties as provide	report according to the reguled for in Section 2150.	lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 74-R-0066 er: 1472			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (No. USDA, include ZIP Code) University of Texas-Dallas P. O. BOX 830688 M/S M P 15 RICHARDSON, TX 75083 Telephone: 9728832313								ess, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery crists; (A exploration of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0					0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 71-R-0104 er: 8977			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) UNIVERSITY OF THE OZARKS 415 North College Ave CLARKSVILLE, AR 72830 Telephone: 4799791361							e and Addre	ess, as registered with	
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	nts, experiments, research, surgery, or tests were conducted involving accompanying pain or distre the animals and for which the use of appropriate anesthetic, analgesic, or tranguilizing drugs would have adversely affected the procedures, results, o interpretation of the teaching, research, experime riate surgery, or tests. (An explanation of the procedur producing pain or distress on these animals and t		e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0 0					0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 10-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 23-R-0001 er: 207			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF THE SCIENCES IN PHILADELPHIA 600 SOUTH 43RD STREET PHILADELPHIA, PA 19104 Telephone: 2155968975				ss, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiment teaching, research, surgery, or tests were		ents, experiments, research, surgery, or tests were conducted involving accompanying pain or dist e the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs woo or have adversely affected the procedures, results, interpretation of the teaching, research, experim priate surgery, or tests. (An explanation of the procedure, , or		distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 09-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036
This report is required by law to cease and desist and to be s			lations can r	esult in an order		gency Report Control o. 0180-DOA-AN	I	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 31-R-0134 Customer Number: 502924				
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF TOLEDO 3000 Arlington Ave., MS 1004 TOLEDO, OH 43614 Telephone: 4193834314				ss, as registered with		
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A	ttach additional :	heets, if necess	sary, or use APHIS FORM 7	7023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	esearch, tests were involving ying pain or the animals ich appropriate analgesic, or	experiments, re conducted invo the animals an anesthetic, ana have adversely interpretation of surgery, or test producing pair	animals upon which teachin esearch, surgery, or tests we olving accompanying pain o d for which the use of appro- lgesic, or tranquilizing drug affected the procedures, re of the teaching, research, ex ts. (An explanation of the pr or distress on these animal rugs were not used must be	or distress to opriate s would sults, or periments, rocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
1 Domestic rabbit / European rabbit	15	39	0		0			39
2 Prairie vole	105	350	0		550			900

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 11-Jan-2022

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL	REGISTRAT		N NUMBER: 13-R-0001 er: 273			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as re USDA, include ZIP Code) UNIVERSITY OF VERMONT 116 HILLS BUILDING BURLINGTON, VT 05405 Telephone:							ess, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distres the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experimen surgery, or tests. (An explanation of the procedure producing pain or distress on these animals and th reasons such drugs were not used must be attached this report.)		e distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	19		0			19	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 15-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								OMB APPROVED 0579-0036	
This report is required by law to cease and desist and to be s			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A IT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 52-R-0011 er: 495			
ANNUAL RE	PORT OF RESE. (TYPE OR PRINT		Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF VIRGINIA PO BOX 400301 OFFICE OF THE VICE PRESIDENT FOR RESEARCH br/> CHARLOTTESVILLE, VA 22904 Telephone: 434-924-3606					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		exp con- the ane: hav inte surg proo reas	. Number of animals upon which teaching, speriments, research, surgery, or tests were onducted involving accompanying pain or distra- te animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs woul ave adversely affected the procedures, results, o terpretation of the teaching, research, experime urgery, or tests. (An explanation of the procedur roducing pain or distress on these animals and ti- easons such drugs were not used must be attached is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	Ō	Ū	0		0			Ō	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	18	0		331			349	
8 Rabbits	0	0	56		147			203	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	8		0			8	
11 Pigs	4	0	124		0			124	
12 Other Animals	209	199	45		25			269	
Domestic Ferret	0	0	3		25			28	
American pine vole	0	199	0		0			199	
Common tree shrew	33	0	13		0			13	
Marsh rice rat	176	0	0		0			0	
Groundhog / Woodchuck	0	0	29		0			29	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 24-Oct-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							MB APPROVED 0579-0036
This report is required by law to cease and desist and to be s			lations can re	esult in an order	Interagency Report Control No. 0180-DOA-AN	F	Fiscal Year: 2021
UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE				REGISTRATION NUMBER: 52-R-0011 Custoner Number: 495			
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF VIRGINIA PO BOX 400301 OFFICE OF THE VICE PRESIDENT FOR RESEARCH > CHARLOTTESVILLE, VA 22904 Telephone: 434-924-3606			
REPORT OF ANIMALS USF	ED BY OR UNDER CONT	ROL OF RESEARCH FA	.CILITY(At	ttach additional :	sheets, if necessary, or use APHIS FORM 70	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re surgery, or conducted i accompany distress to t and for whi anesthetic,	h experiments, esearch, tests were involving ying pain or	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or dis the animals and for which the use of appropriat anesthetic, analgesic, or tranquilizing drugs wo have adversely affected the procedures, results, interpretation of the teaching, research, experin surgery, or tests. (An explanation of the proced producing pain or distress on these animals and reasons such drugs were not used must be attac		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)

used.

this report.)

ASSURANCE STATEMENTS

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Exceutive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 24-Oct-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL		REGISTRATION NUMBER: 91-R-0001 Customer Number: 1016				
(TYPE OR PRINT) USDA, includ UNIVERSITY BOX 357160 SEATTLE, W.					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF WASHINGTON BOX 357160 SEATTLE, WA 98195 Telephone: 2065432211				
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		expe cond the a anes have inter surg prod reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or dist the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs wor have adversely affected the procedures, results, interpretation of the teaching, research, experim surgery, or tests. (An explanation of the procedure producing pain or distress on these animals and reasons such drugs were not used must be attach this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	5	7	7		0			14	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	4		0			4	
7 Hamsters	14	26	0		0			26	
8 Rabbits	0	40	217		0			257	
9 Non-Human Primates	762	266	236		0			502	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	171		0			171	
12 Other Animals	12	46	8		0			54	
Domestic Ferret	2	14	0		0			14	
Mongolian gerbil	10	12	8		0			20	
Harris's antelope squirrel	0	20	0		0			20	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be	v (7 U.S.C. 2143). Failure to subject to penalties as provid	report according to the reguled for in Section 2150.	lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 58-R-0156 Customer Number: 328622					
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) UNIVERSITY OF WEST FLORIDA 11000 UNIVERSITY PARKWAY BL PENSACOLA, FL 32514 Telephone: 8504742824							e and Addre	ss, as registered with	
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	tts, experiments, research, surgery, or tests were conducted involving accompanying pain or dist the animals and for which the use of appropriat anesthetic, analgesic, or tranquilizing drugs wo have adversely affected the procedures, results, interpretation of the teaching, research, experim usery, or tests. (An explanation of the proced producing pain or distress on these animals and		e distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 19-Nov-2021

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by lav to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		NUMBER: 35-R-0001 : 616			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF WISCONSIN MADISON DIRECTOR RESEARCH ANIMAL RESOURCES CENTER 1710 UNIVERSITY AVENUE 396 ENZYME INST br/> MADISON, WI 53726 Telephone: 6082621238					
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
А.	В.	С.		er of animals E. Number of animals upon which teaching, experiments, research, surgery, or tests were				F.	
Animals Covered By The Animal	als Covered By The Number of animals being bred, conditioned, or held		teaching, re surgery, or conducted	urgery, or tests were th onducted involving a ccompanying pain or h		acted involving accompanying pain on nimals and for which the use of appro- hetic, analgesic, or tranquilizing drug	r distress to priate s would	TOTAL NUMBER OF	
Welfare Regulations	testing, experiments, research, or surgery but not yet used for such purposes	pain, distress, or use of pain-relieving drugs.	distress to and for wh anesthetic,	ying pain or the animals hich appropriate , analgesic, or ing drugs were by the animals hich appropriate , analgesic, or ing drugs were hick appropriate , and app		periments, ocedures s and the	ANIMALS (Cols. C + D + E)		
4 Dogs	0	20	1		0	0		21	
5 Cats	35	104	7		0			111	
6 Guinea Pigs	0	0	12		0			12	
7 Hamsters	420	299	168		1045			1512	
8 Rabbits	17	50	144		0			194	
9 Non-Human Primates	896	713	798		0			1511	
10 Sheep	0	0	36		4			40	
11 Pigs	0	78	329		0			407	
12 Other Animals	176	571	187		142			900	
Domestic Horse	0	0	14		0			14	
Four-toed hedgehog	0	0	14		0			14	
Domestic Ferret	8	24	0		142			166	
Hispid cotton rat	0	2	0		0			2	
Chinchilla	0	18	0		0			18	
					_				

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

According to the Paperwork l information unless it displays required to complete this info existing data sources, gatherin	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be s			ations can re	esult in an order	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A IT HEALTH INSPEC		ИAL	REGISTRATION NUMBER: 35-R-0001 Custoner Number: 616				
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF WISCONSIN MADISON DIRECTOR RESEARCH ANIMAL RESOURCES CENTER 1710 UNIVERSITY AVENUE 396 ENZYME INST br/> MADISON, WI 53726 Telephone: 6082621238				
Animals Covered By The Animal Welfare Regulations Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such				r of animals h experiments, esearch, tests were involving ying pain or the animals ich appropriate analgesic, or ng drugs were	Sheets, if necessary, or use APHIS FORM 7 E. Number of animals upon which teachin experiments, research, surgery, or tests we conducted involving accompanying pain of the animals and for which the use of appro- anesthetic, analgesic, or tranquilizing drug have adversely affected the procedures, re interpretation of the teaching, research, ex surgery, or tests. (An explanation of the pr producing pain or distress on these animal reasons such drugs were not used must be this report.)	g, re or distress to priate s would sults, or periments, ocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
Thirteen-lined ground squirrel	0	0	33		0		33	
California mouse	168	488	74		0		562	
Cattle / Cow / Ox / Watusi	0	39	52		0		91	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Exceutive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

information unless it displays	s a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	umber for the sponse, include	nis information countries unding the time for	ollec or rev	viewing instructions, searching	0	MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 35-G-0002 Customer Number: 500503					
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF WISCONSIN MILWAUKEE AQUACULTURE 600 E Greenfield Avenue MILWAUKEE, WI 53204 Telephone: 4143821767							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg proo	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or d the animals and for which the use of appropri anesthetic, analgesic, or tranquilizing drugs w have adversely affected the procedures, result interpretation of the teaching, research, exper surgery, or tests. (An explanation of the proce producing pain or distress on these animals ar reasons such drugs were not used must be atta- this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	3000		0			3000	
ARS FISH	0	0	3000		0			3000	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Oct-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 35-R-0015 Customer Number: 611					
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF WISCONSIN-LA CROSSE 1725 STATE STREET RM 106 HLTH SCN CTR LA CROSSE, WI 54601 Telephone: 6087855195				ess, as registered with	
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were		exp con the ane hav inte surg pro reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached t this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	19	0		0			19	
Cape ground squirrel	0	19	0		0			19	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 11-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 35-R-0017 Customer Number: 612						
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF WISCONSIN-MILWAUKEE UNIVERSITY SAFETY & ASSURANCES ENGLEMANN HALL STE 270 PO BOX 413 MILWAUKEE, WI 53201 Telephone: 4142296339				
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or test, (An any any any of the procedures)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	2	0		0			2		
American badger	0	2	0		0			2		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 20-Oct-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 35-R-0111 er: 795		
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF WISCONSIN-OSHKOSH OFFICE OF SPONSORED PROGRAMS 800 ALGOMA BLVD br/> OSHKOSH, WI 54901 Telephone: 9204243375						
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A	ttach additional	sheet	ts, if necessary, or use APHIS FORM 7(023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expected constitutes the a aness have inter surg proc reas	Number of animals upon which teaching, beriments, research, surgery, or tests were aducted involving accompanying pain or distress animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would ve adversely affected the procedures, results, or repretation of the teaching, research, experiments gery, or tests. (An explanation of the procedures ducing pain or distress on these animals and the sons such drugs were not used must be attached t s report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0			0
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	0	0	0		0			0
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	0	0		0			0
11 Pigs	0	0	0		0			0
12 Other Animals	1	1177	24		0			1201
Thirteen-lined ground squirrel	0	1027	15		0			1042
Mongolian gerbil	1	150	9		0			159

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 35-R-0010 Customer Number: 614					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF WISCONSIN-RIVER FALLS 410 S. 3RD ST. RIVER FALLS, WI 54022 Telephone: 715-425-3195						
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery crists; (An explanation of the procedures)		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 14-Dec-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	ewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 35-R-0014 Customer Number: 608					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF WISCONSIN-WHITEWATER RESEARCH AND SPONSORED PROGRAM 800 W. MAIN STREET > WHITEWATER, WI 53190 Telephone: 2624725212					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgraps, or tester, (An explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 12-Oct-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036					
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 83-R-0001 er: 16		
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UNIVERSITY OF WYOMING 1000 EAST UNIVERSITY AVENUE, DEPT. 3355 LARAMIE, WY 82071 Telephone:						
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY (A	ttach additional	shee	ts, if necessary, or use APHIS FORM 70	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg proo reas	Number of animals upon which teaching, eriments, research, surgery, or tests were iducted involving accompanying pain or distress to animals and for which the use of appropriate sthetic, analgesic, or tranquilizing drugs would 'e adversely affected the procedures, results, or rpretation of the teaching, research, experiments, gery, or tests. (An explanation of the procedures ducing pain or distress on these animals and the sons such drugs were not used must be attached to s report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0			0
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	0	0	0		0			0
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	382	8		0			390
11 Pigs	0	0	8		0			8
12 Other Animals	0	527	218		0			745
Cattle / Cow / Ox / Watusi	0	527	112		0			639
Least chipmunk	0	0	106		0			106

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 63-R-0119 Customer Number: 37207						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	T ERS RESEARCH FACILITY (Name P Code) NNESSEE - MARTIN 81-7952	e and Addre	ss, as registered with						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments,					
4 Dogs	0	119	37		0			156		
5 Cats	0	27	10		0			37		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	28	0		0			28		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0 0 0					0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

information unless it displays	a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	umber for the sponse, inclu	nis information c uding the time for	collector rev	viewing instructions, searching	0	MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 51-F-0019 Customer Number: 452						
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) US ARMY EDGEWOOD CHEMICAL BIOLOGICAL CTR BLDG E3150 ATTN: AMSRD-ECB-RT-TV ABERDEEN PROV GRND, MD 21010 Telephone: 4104368653								
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg pro reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	400	14	66		15			95		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	8	6		0			14		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	6	69	211		0			280		
Domestic Ferret	6	69	211		0			280		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 23-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 51-F-0006 er: 437			
ANNUAL RE	PORT OF RESE. (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) US ARMY MED RESEARCH INST OF CHEMICAL DEFENSE COMMANDER 3100 RICKETTS POINT ROAD > ABERDEEN PROV GRND, MD 21010 Telephone: 4104363276					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tasts. (An exploration of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	17	43		65			125	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	2	82		0			84	
9 Non-Human Primates	22	25	53		48			126	
10 Sheep	0	0	0		0			0	
11 Pigs	0	2	42		45			89	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 12-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.										
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021			
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 51-F-0021 Customer Number: 728							
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) US ARMY MED RESEARCH INST OF INFECTIOUS DISEASE VETERINARY MEDICINE DIVISION 1425 PORTER ST br/> FREDERICK, MD 21702 Telephone: 3016194708								
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)										
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg pro reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached t this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	0		0			0			
5 Cats	0	0	0		0			0			
6 Guinea Pigs	0	20	212		363			595			
7 Hamsters	0	188	509		163			860			
8 Rabbits	0	18	20		0			38			
9 Non-Human Primates	14	401	98		575			1074			
10 Sheep	0	0	0		0			0			
11 Pigs	0	0	0		0			0			
12 Other Animals	0	2	72		36			110			
Domestic Ferret	0	2	72		36			110			

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 10-Nov-2021

information unless it displays	a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	number for the sponse, inclusion	is information c uding the time fo	collector rev	viewing instructions, searching	0	MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 51-F-0005 Customer Number: 436						
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) US ARMY Public Health Center 8252 BLACKHAWK RD ABERDEEN PROV GRND, MD 21010 Telephone: 4108040492					
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		2. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to he animals and for which the use of appropriate inesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the easons such drugs were not used must be attached to his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	56	0		0			56		
Deer mouse	0	56	0		0			56		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of									
information unless it displays	s a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	umber for the sponse, inclusion	is information c uding the time for	collecti or revi	ion is 0579-0036. The time ewing instructions, searching	OMB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRA		NUMBER: 10-F-0008 :: 431			
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) US DEPARTMENT OF THE INTERIOR OFFICE OF ECOSYSTEMS, US GEO SURVEY 12201 SUNRISE VALLEY DR, MS 300 hr/> HERNDON, VA 20192 Telephone: 2022361462				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional	sheets	, if necessary, or use APHIS FORM 7	023A.)		
А.	В.	С.		r of animals h experiments,		umber of animals upon which teaching riments, research, surgery, or tests we		F.	
Number of animals being which		Number of animals upon which teaching, research,	teaching, re surgery, or	esearch, tests were	cond the a	ucted involving accompanying pain or nimals and for which the use of approp	r distress to priate	TOTAL NUMBER OF	
Animal Animal Welfare Regulations	for use in teaching, testing, experiments,	experiments, or tests were conducted involving no		ing pain or	have	hetic, analgesic, or tranquilizing drugs adversely affected the procedures, res pretation of the teaching, research, exp	ults, or	ANIMALS	
wonate Regulations	research, or surgery but not yet used for such purposes	pain, distress, or use of pain-relieving drugs.	distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		surge produ reaso	ery, or tests. (An explanation of the procedures lucing pain or distress on these animals and the ons such drugs were not used must be attached to report.)		(Cols. C + D + E)	
4 Dogs	0	0	0		0	0		0	
5 Cats	0	0	0		0	0		0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	2901	27		0			2928	
Caribbean manatee	0	5	0		0			5	
American bison	0	0	12		0			12	
Big brown bat	0	84	1		0			85	
Brazilian free-tailed bat	0	27	0		0			27	
Fringed bat	0	8	0		0			8	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 23-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be s			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A IT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 10-F-0008 Custoner Number: 431						
REPORT	CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) US DEPARTMENT OF THE INTERIOR OFFICE OF ECOSYSTEMS, US GEO SURVEY 12201 SUNRISE VALLEY DR, MS 300 br/> HERNDON, VA 20192 Telephone: 2022361462				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A)	ttach additional	sheet	s, if necessary, or use APHIS FORM 7	023A.)			
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	umber of animals upon hich teaching, research, speriments, or tests were onducted involving no ain, distress, or use of			Number of animals upon which teaching eriments, research, surgery, or tests were ducted involving accompanying pain or animals and for which the use of appro- sthetic, analgesic, or tranquilizing drug- e adversely affected the procedures, rese rpretation of the teaching, research, exp (ery, or tests. (An explanation of the pro- lucing pain or distress on these animals ons such drugs were not used must be a report.)	re r distress to priate s would sults, or periments, ocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
Hoary bat	0	5	0		0			5		
Pallid bat	0	44	0		0			44		
Silver-haired bat	0	63	0		0			63		
Deer mouse	0	601	0		0			601		
Black-tailed prairie dog	0	455	0		0			455		
Botta's pocket gopher	0	7	0		0			7		
California rock squirrel	0	9	0		0			9		
California vole	0	140	0		0			140		
Cave Myotis	0	402	0		0			402		
Little brown bat	0	908	8		0			916		
Mexican long-eared bat	0	0	3		0			3		
Lump-nosed bat	0	13	0		0			13		
Brown long-eared bat	0	0	3		0			3		
Townsend's chipmunk	0	26	0		0			26		
European Common vole	0	84	0		0			84		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Exceutive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 23-Nov-2021

information unless it displays	a valid OMB control number rmation collection is estimat	er. The valid OMB control n ed to average 2 hours per rea	umber for th sponse, inclu	is information c iding the time for	quired to respond to, a collection of ollection is 0579-0036. The time or reviewing instructions, searching nformation.	O	MB APPROVED 0579-0036
This report is required by law to cease and desist and to be s			ations can re	esult in an order	Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021
	DEPARTMENT OF A IT HEALTH INSPEC		MAL	REGISTRAT	FION NUMBER: 10-F-0008 mber: 431		
	ATION SHEET I Γ OF RESEARCH (TYPE OR PRINT	H FACILITY	USDA, Include ZIP Code)				ss, as registered with
REPORT OF ANIMALS US	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(At	tach additional	sheets, if necessary, or use APHIS FORM 70	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	teaching, re- surgery, or conducted i accompany distress to t and for whi anesthetic,	n experiments, esearch, tests were involving ring pain or	E. Number of animals upon which teaching experiments, research, surgery, or tests wer conducted involving accompanying pain or the animals and for which the use of approg anesthetic, analgesic, or tranquilizing drugs have adversely affected the procedures, ress interpretation of the teaching, research, exp surgery, or tests. (An explanation of the pro producing pain or distress on these animals reasons such drugs were not used must be a this report.)	distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
Desert woodrat	0	20	0		0		20

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer (C.E.O.) or Legally Responsible
Institutional Official (IC.)) I certify that he above is true,
correct, and complete (7 U.S.C. Section 2143).

Date Signed 23-Nov-2021

information unless it displays	a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	umber for the sponse, include	is information c uding the time fo	collector rev	viewing instructions, searching	0	MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 10-F-0010 er: 20133				
ANNUAL RE	PORT OF RESE. (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) US GOVERNMENT SMITHSONIAN INSTITUTION PO BOX 37012/MRC 5508 WASHINGTON, DC 20013 Telephone: 2026334444				ss, as registered with			
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, experiments, research, surgery, or tests were search, conducted involving accompanying pain or di the animals and for which the use of appropria ing pain or have adversely affected the procedures, result interpretation of the teaching, research, experi surgery, or tests. (An explanation of the proce analgesic, or manufacture)		distress to priate s would ults, or periments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	5	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	7	0		0			7		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

information unless it displays	s a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	umber for the sponse, inclu-	is information c uding the time fo	collector rev	viewing instructions, searching	0	MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 45-G-0003 er: 334302				
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) USDA ARS EDWARD T SCHAFER AGRICULTURAL RESRCH CNTR 1616 Albrecht Blvd N FARGO, ND 58102 Telephone: 7012391371								
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiment surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached this report.)		re r distress to priate s would sults, or periments, pocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	46	0		0			46		
ARS BIRDS	0	46	0		0			46		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Nov-2021

information unless it displays	s a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	number for the sponse, incl	nis information countries uding the time for	collector rev	viewing instructions, searching	0	MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			llations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 14-G-0002 er: 505339				
ANNUAL RE	ΥY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) USDA ARS HUMAN NUTRITION RSRCH CNTR AGING TUFTS UN 711 WASHINGTON ST BOSTON, MA 02111 Telephone:								
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments. surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached t this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	120	0		0			120		
ARS RATS	0	120	0		0			120		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 06-Oct-2021

information unless it displays	s a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	number for the sponse, inclusion	nis information co uding the time fo	ollec or rev	viewing instructions, searching	0	MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 54-G-0001 er: 334160				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	ΥY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) USDA ARS Natl Center Cool / Cold Water Aquaculture 11861 Leetown Road KEARNEYSVILLE, WV 25430 Telephone: 3047248340				ss, as registered with			
REPORT OF ANIMALS US	PORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were involving ying pain or the animals ich appropriate analgesic, or ng drugs were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or dis the animals and for which the use of appropriat anesthetic, analgesic, or tranquilizing drugs wo have adversely affected the procedures, results, interpretation of the teaching, research, experin surgery, or tests. (An explanation of the proced producing pain or distress on these animals and reasons such drugs were not used must be attact this report.)		re r distress to priate s would sults, or periments, pocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	13699	31861	15045		158	18		62724		
ARS FISH	13699	31861	15045		158	18		62724		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 10-Nov-2021

information unless it displays	s a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	number for the sponse, inclu	nis information co uding the time fo	ollec or rev	viewing instructions, searching	0	MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 83-G-0001 er: 334154				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) USDA ARS PA RRRU 8408 Hildreth Road CHEYENNE, WY 82009 Telephone: 3077722433				ss, as registered with				
REPORT OF ANIMALS US	PORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	h experiments, esearch, tests were involving ying pain or the animals ich appropriate analgesic, or ng drugs were	conducted involving accompanying pain or dis the animals and for which the use of appropria anesthetic, analgesic, or tranquilizing drugs we have adversely affected the procedures, results interpretation of the teaching, research, experin surgery, or tests. (An explanation of the procece producing pain or distress on these animals and		re r distress to priate s would sults, or periments, pocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	40	0		0			40		
Cattle / Cow / Ox / Watusi	0	40	0		0			40		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 03-Nov-2021

information unless it display	s a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	umber for the sponse, include	nis information countries unding the time for	collector rev	ed to respond to, a collection of tion is 0579-0036. The time viewing instructions, searching mation.	0	MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 48-F-0001 er: 6003077				
ANNUAL RE	T ERS RESEARCH FACILITY (Name P Code) ATIONAL BIO AND AGRO-DEFENSE . VE SUITE 300 S 66502 79006									
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	a experiments, seearch, tests were involving he animals ind pain or ich appropriate analgesic, or producing pai		Number of animals upon which teaching eriments, research, surgery, or tests wer iducted involving accompanying pain or animals and for which the use of approj sthetic, analgesic, or tranquilizing drugs e adversely affected the procedures, res erpretation of the teaching, research, exp gery, or tests. (An explanation of the pro- ducing pain or distress on these animals sons such drugs were not used must be a s report.)	e distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 06-Oct-2021

information unless it display	s a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	umber for the sponse, include	nis information countries unding the time for	collector rev	ed to respond to, a collection of tion is 0579-0036. The time viewing instructions, searching mation.	0	MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 48-G-0002 er: 6003077				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		USDA, includ USDA\ARS\P 1880 KIMBAI MANHATTAN	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) USDA\ARS\PA\NATIONAL BIO AND AGRO-DEFENSE FACILITY (NBAF) 1880 KIMBALL AVE SUITE 300 MANHATTAN, KS 66502 Telephone: 7854779006						
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, research, surger search, tests were involving pain or have adversely affected the p interpretation of the teaching surgery, or tests. (An explana nalgesic, or		re distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 06-Oct-2021

information unless it displays	a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	umber for th sponse, inclu	is information couding the time for	quired to respond to, a collection of ollection is 0579-0036. The time or reviewing instructions, searching nformation.	0	MB APPROVED 0579-0036
This report is required by law to cease and desist and to be			lations can r	esult in an order	Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu	TION NUMBER: 87-R-0002 umber: 2		
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	USDA, include UTAH STATE	E UNIVERSITY SEARCH/1450 OLD MAIN HILL 84322	ne and Addre	ess, as registered with
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional :	sheets, if necessary, or use APHIS FORM	7023A.)	
А.	В.	С.		r of animals h experiments,	E. Number of animals upon which teachine experiments, research, surgery, or tests w		F.
Animals Covered By The	Number of animals being which teaching, research, surger	teaching, research, surgery, or tests were		the animals and for which the use of appr	nvolving accompanying pain or distress to		
Animal for Welfare Regulations te	for use in teaching, testing, experiments,	conducted involving no pain, distress, or use of	accompany	involving ing pain or the animals	have adversely affected the procedures, re- interpretation of the teaching, research, ex-	esults, or	ANIMALS
	research, or surgery but not yet used for such purposes	pain-relieving drugs.	and for wh anesthetic,	ich appropriate analgesic, or ng drugs were	surgery, or tests. (An explanation of the p producing pain or distress on these anima reasons such drugs were not used must be this report.)	rocedures ls and the	(Cols. C + D + E)
4 Dogs	0	0	0		0		0
5 Cats	0	0	0		0		0
6 Guinea Pigs	50	8	0		106		114
7 Hamsters	1307	368	133		2059		2560
8 Rabbits	0	0	0		0		0
9 Non-Human Primates	0	0	0		0		0
10 Sheep	48	0	149		0		149
11 Pigs	0	0	24		0		24
12 Other Animals	162	56	121		0		177
Domestic Goat	16	10	105		0		115
Domestic Horse	12	16	0		0		16
Cattle / Cow / Ox / Watusi	0	17	0		0		17
Chinchilla	0	8	0		0		8
Deer mouse	24	0	16		0		16

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

information unless it displays	a valid OMB control number rmation collection is estimat	er. The valid OMB control ne ted to average 2 hours per res	umber for th sponse, inclu	is information c uding the time fo	quired to respond to, a collection of ollection is 0579-0036. The time or reviewing instructions, searching information.	O	MB APPROVED 0579-0036
This report is required by law to cease and desist and to be s			ations can re	esult in an order	Interagency Report Control No. 0180-DOA-AN	F	Fiscal Year: 2021
	DEPARTMENT OF A IT HEALTH INSPEC		MAL	REGISTRAT	TION NUMBER: 87-R-0002 mber: 2		
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UTAH STATE UNIVERSITY V.P. FOR RESEARCH/1450 OLD MAIN HILL LOGAN, UT 84322 Telephone: 4357971180			
REPORT OF ANIMALS USE	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(At	tach additional	sheets, if necessary, or use APHIS FORM 7	023A.)	
A. Animals Covered By The Animal Welfare Regulations	Covered By The Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, or surgery but not yet used for such purposes Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. Use and for tranquility and the surgery to tranquility of the surgery but not yet used for such purposes Number of animals upon which teaching, teaching, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.		upon which teaching, re surgery, or conducted i accompany distress to t and for whi anesthetic,	tests were involving ving pain or	E. Number of animals upon which teaching experiments, research, surgery, or tests were conducted involving accompanying pain or the animals and for which the use of approg- anesthetic, analgesic, or tranquilizing drugs have adversely affected the procedures, res- interpretation of the teaching, research, exp surgery, or tests. (An explanation of the pro- producing pain or distress on these animals reasons such drugs were not used must be a this report.)	re r distress to priate s would sults, or periments, ocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
Oaxacan Big-toothed Deer mouse	110	5	0		0	ľ	5

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Exceutive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036
This report is required by law to cease and desist and to be			lations can r	esult in an order		ency Report Control 0180-DOA-AN	I	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL		TON NUMBER mber: 507019	: 87-R-0028		
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Υ	USDA, includ UTAH VALLI 800 W Univer OREM, UT 84	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) UTAH VALLEY UNIVERSITY 800 W University Parkway OREM, UT 84058 Telephone: 8018636440			
REDORT OF ANIMAL CLIC	ED BY OB LINDER CON	PDOL OF BESEADOH FA	CH ITY/A	4-1-1 <i>iii</i> 1	1	ADUUS FORM	70224	
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		ng, pre pr distress to opriate swould sults, or periments, rocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0			0
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	0	1	0		0			1
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	0	0		0			0
11 Pigs	0	0	0		0			0
12 Other Animals	0	3	0		0			3
Chinchilla	0	1	0		0			1
Domestic Ferret	0	1	0		0			1
Four-toed hedgehog	0	1	0		0			1

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	result in an order	:	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 85-V-0001 er: 1316				
ANNUAL RE	PORT OF RESE. (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) V A MEDICAL CENTER #501 1501 SAN PEDRO DRIVE SE Building 10, VA Medical Center # 501 ALBUQUERQUE, NM 87108 Telephone: 5052651711							
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whice teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	exp con the ane hav inte surg proo reas	Number of animals upon which teaching beriments, research, surgery, or tests wer aducted involving accompanying pain or animals and for which the use of approp esthetic, analgesic, or tranquilizing drugs ve adversely affected the procedures, res erpretation of the teaching, research, exp gery, or tests. (An explanation of the pro- ducing pain or distress on these animals sons such drugs were not used must be a s report.)	e distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 10-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 84-V-0002 er: 1315				
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as register USDA, include ZIP Code) V A MEDICAL CENTER #554 1055 CLERMONT DENVER, CO 80220 Telephone: 7208576511								ss, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tasts. (An explanation of the procedures		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0						0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Dec-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 93-V-0007 er: 1326		
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) V A MEDICAL CENTER #600 - LONG BEACH 5901 E. 7TH STREET 09/151 LONG BEACH, CA 90822 Telephone: 5628268000						
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A	ttach additional	sheet	ts, if necessary, or use APHIS FORM 7	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expe cond the a anes have inter surg prod reas	Number of animals upon which teaching, eriments, research, surgery, or tests were ducted involving accompanying pain or distress animals and for which the use of appropriate sthetic, analgesic, or tranquilizing drugs would e adversely affected the procedures, results, or rpretation of the teaching, research, experiments gery, or tests. (An explanation of the procedures ducing pain or distress on these animals and the sons such drugs were not used must be attached report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0			0
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	0	0	0		0			0
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	0	0		0			0
11 Pigs	0	0	0		0			0
12 Other Animals	1363	172	166		864			1202
House mouse / lab mouse	1363	172	146		864			1182
ARS RATS	0	0		0			20	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be	v (7 U.S.C. 2143). Failure to subject to penalties as provide	report according to the regu ded for in Section 2150.	lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 87-V-0001 er: 1318				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) V A MEDICAL CENTER #660 500 FOOTHILL BLVD. SALT LAKE CITY, UT 84148 Telephone: 8015841277							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 04-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 93-V-0005 er: 1324				
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) V A MEDICAL CENTER #662 - SAN FRANCISCO 4150 CLEMENT STREET 151 A C br/> SAN FRANCISCO, CA 94121 Telephone: 4152214810								ss, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
А.	В.	С.	D. Number of animals E. Number of animals upon which teaching, experiments, research, surgery, or tests were					F .		
Animals Covered By The Animal Welfare Regulations	Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which experiments teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropria anesthetic, analgesic, or tranquilizing drugs were used.		con the ane hav inte surg proor	value of the second sec	distress to priate s would ults, or periments, pocedures and the	TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	3		0			3		
12 Other Animals	0	0	0 0					0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

information unless it displays	ed to respond to, a collection of ction is 0579-0036. The time viewing instructions, searching rmation.	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 91-V-0001 er: 1320				
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) V A MEDICAL CENTER #663 MAIL STOP 151/1660 SOUTH COLUMBIAN WAY SEATTLE, WA 98108 Telephone: 999999999								ss, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whice teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments,		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL	REGISTRAT Customer Nu		N NUMBER: 82-V-0001 er: 1314				
ANNUAL RE	T ERS RESEARCH FACILITY (Name P Code) ENTER #531 STREET 22-1000 x 4049	and Addre	ss, as registered with							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	68		0			68		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 31-Jan-2022

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 86-V-0002 er: 1317			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) V A MEDICAL CENTER (SAVAHCS) #678 3601 S. 6TH AVENUE TUCSON, AZ 85723 Telephone: 5206291824								ss, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D . Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg pro reas	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgary, or test, (An applanation of the procedures		TOTAL NUMBER OF	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 15-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 58-V-0007 er: 949				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	USDA, includ V A MEDICA ACOS/R&D	le ZII L CE CHE	ENTER ER RD, 151 br/> GAINESVILLE, FL 32		ess, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, currenty, or tests. (An expendition of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0 0 0 0					0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 17-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		NUMBER: 52-R-0012 r: 492				
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) V A POLYTECHNIC INSTITUTE & STATE UNIVERSITY 300 TURNER STREET N.W., SUITE 4120 BLACKSBURG, VA 24061 Telephone: 5402312166								
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expe cond the a anes have inter surga prod reaso	. Number of animals upon which teaching, periments, research, surgery, or tests were onducted involving accompanying pain or distress t e animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would we adversely affected the procedures, results, or terpretation of the teaching, research, experiments, irgery, or tests. (An explanation of the procedures roducing pain or distress on these animals and the asons such drugs were not used must be attached to is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	1	72		0			73		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	4	311		0			315		
7 Hamsters	0	20	8		0			28		
8 Rabbits	0	107	0		0			107		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	80	9		0			89		
11 Pigs	0	60	96		96			252		
12 Other Animals	5	171	87		0			258		
Domestic Horse	5	14	27		0			41		
Cattle / Cow / Ox / Watusi 0 157 60 0						217				

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 93-V-0004 er: 1323				
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VA ANIMAL RESEARCH FACILITY #664 - SAN DIEGO 3350 LA JOLLA VILLAGE DRIVE SAN DIEGO, CA 92161 Telephone: 8586423774								ss, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were		exp con the ane: have inte surg proo	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgary or tests. (An explanation of the procedures		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	37		0			37		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0 0 0					0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 28-Oct-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be	(7 U.S.C. 2143). Failure to subject to penalties as provided	report according to the regulated for in Section 2150.	lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 63-V-0003 er: 938			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VA MEDICAL CENTER - MEMPHIS 1030 JEFFERSON AVENUE MEMPHIS, TN 38104 Telephone: 9015777573								ss, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		 E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.) 		TOTAL NUMBER OF ANIMALS		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0 0					0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 17-Nov-2021

information unless it display	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be	w (7 U.S.C. 2143). Failure to subject to penalties as provide	report according to the reguled for in Section 2150.	lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 58-V-0005 er: 933				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VA MEDICAL CENTER #546 RESEARCH ADMINISTRATION (546/151) 1201 NW 16TH ST. br/> MIAMI, FL 33125 Telephone: 3055757000						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriatu anesthetic, analgesic, or tranquilizing drugs were used.		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments,		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 15-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 93-V-0003 er: 1322				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VA Medical Center #640 - Palo Alto 3801 MIRANDA AVENUE MAIL CODE 151-A br/> PALO ALTO, CA 94304 Telephone: 9794173689							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whice teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0	0 0				0		
12 Other Animals	0	0	0 0 0					0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Dec-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be	v (7 U.S.C. 2143). Failure to subject to penalties as provide	report according to the reguled for in Section 2150.	lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 57-V-0001 er: 987				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VA MEDICAL CENTER (151) RESEARCH SERVICE (151) 1670 CLAIRMONT ROAD DECATUR, GA 30033 Telephone: 4047287601							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		e distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	32		0			32		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							
This report is required by law to cease and desist and to be			lations can r	esult in an order	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE				REGISTRATION NUMBER: 34-V-0002 Customer Number: 739			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)			Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VA MEDICAL CENTER (506) 2215 FULLER ROAD ANN ARBOR, MI 48105 Telephone: (734) 222-7981				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional	sheets, if necessary, or use APHIS FORM	7023A.)		
A. Animals Covered By The Animal Welfare Regulations	imals Covered By The imal elfare Regulations Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such		tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surrary, or test; (An explanation of the procedures		TOTAL NUMBER OF		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 14-V-0004 er: 651				
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FAC USDA, include ZIP Code) VA MEDICAL CENTER (523) 150 S HUNTINGTON AVENUE BOSTON, MA 02130 Telephone: 999999999							e and Addre	ss, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		re distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 07-Dec-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 21-V-0002 er: 662				
ANNUAL RE	F ERS RESEARCH FACILITY (Name P Code) INTER (528) ENUE 1215 26528	e and Addre	ess, as registered with							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0 0 0					0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 23-Nov-2021

information unless it displays	ed to respond to, a collection of ction is 0579-0036. The time viewing instructions, searching rmation.	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be	v (7 U.S.C. 2143). Failure to subject to penalties as provid	report according to the reguled for in Section 2150.	lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 31-V-0005 Customer Number: 650						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VA MEDICAL CENTER (539) 3200 VINE STREET (151) CINCINNATI, OH 45220 Telephone: 5132769154						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whice teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	8		0			8		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 15-Nov-2021

information unless it display	ed to respond to, a collection of ction is 0579-0036. The time viewing instructions, searching mation.	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be	w (7 U.S.C. 2143). Failure to subject to penalties as provide	report according to the reguled for in Section 2150.	lations can r	esult in an order	esult in an order Interagency Report Control No. 0180-DOA-AN Fiscal Year					
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 31-V-0004 Customer Number: 668						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Ϋ́Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VA MEDICAL CENTER (541) 10701 EAST BOULEVARD CLEVELAND, OH 44106 Telephone: 2167913800						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments teaching, research, surgery, or tests were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress t the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		e distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		4			4		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 54-V-0002 Customer Number: 682						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VA MEDICAL CENTER (581) 1540 SPRING VALLEY DRIVE HUNTINGTON, WV 25704 Telephone: 3044297581							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were		experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tests. (An exploration of the procedures		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0 0					0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 03-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL	REGISTRATION NUMBER: 35-V-0001 Customer Number: 631						
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (USDA, include ZIP Code) VA MEDICAL CENTER (607) RESEARCH SERVICE 2500 OVERLOOK TERRACE br/> MADISON, WI Telephone: 6082807007								ss, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiment surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached this report.)		e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be	v (7 U.S.C. 2143). Failure to subject to penalties as provide	report according to the reguled for in Section 2150.	lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 41-V-0001 er: 556				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VA MEDICAL CENTER (618) ONE VETERANS DRIVE MINNEAPOLIS, MN 55417 Telephone: 6124672100						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	16		0			16		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	22		0			22		
11 Pigs	0	0	129 0					129		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 17-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching 0579-0036 existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order	ŗ	Interagency Report Control No. 0180-DOA-AN	-	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 21-V-0004 er: 660		
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VA MEDICAL CENTER (630/A4) 800 POLY PLACE (151) BROOKLYN, NY 11209 Telephone: 2129513235				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A	ttach additional	sheet	ts, if necessary, or use APHIS FORM 7	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expe cond the a anes have inter surg prod reas	2. Number of animals upon which teaching, xperiments, research, surgery, or tests were onducted involving accompanying pain or distress to he animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would ave adversely affected the procedures, results, or nterpretation of the teaching, research, experiments, urgery, or tests. (An explanation of the procedures roducing pain or distress on these animals and the easons such drugs were not used must be attached to his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0			0
5 Cats	0	0	0		0			0
6 Guinea Pigs	22	12	0		0			12
7 Hamsters	0	0	0		0			0
8 Rabbits	0	0	0		0			0
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	0	0		0			0
11 Pigs	0	0	0		0			0
12 Other Animals	185	130	0		0			130
ARS MICE	185	130	0		0			130
ARS RATS 0 0 0 0 0							0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 10-Dec-2021

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 21-V-0006 er: 644				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VA MEDICAL CENTER (632) MIDDLEVILLE ROAD NORTHPORT, NY 11768 Telephone:							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distres the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experimen surgery, or tests. (An explanation of the procedure producing pain or distress on these animals and the reasons such drugs were not used must be attached this report.)		e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 23-V-0003 er: 678				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VA MEDICAL CENTER (646) IST FLOOR, BLDG 30 UNIVERSITY DRIVE C PITTSBURGH, PA 15240 Telephone: 4123606391						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	esearch, tests were involving ying pain or the animals ich appropriate analgesic, or ng drugs were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tests. (An explanation of the procedures		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 10-Nov-2021

information unless it display	ed to respond to, a collection of ction is 0579-0036. The time viewing instructions, searching mation.	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL		REGISTRATION NUMBER: 15-V-0001 Customer Number: 679					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VA MEDICAL CENTER (650) 830 CHALKSTONE AVENUE PROVIDENCE, RI 02908 Telephone:						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tester (An avalamizing of the procedures)		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 03-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be	v (7 U.S.C. 2143). Failure to subject to penalties as provide	report according to the reguled for in Section 2150.	lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 52-V-0003 er: 681				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VA MEDICAL CENTER (652) 1201 BROAD ROCK BOULEVARD RESEARCH SERVICE 151 kr/> RICHMOND, VA 23249 Telephone: 8046755500						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tasts. (A a explanation of the procedures)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	33		0	-		33		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	12		0			12		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	18		0			18		
11 Pigs	0	0	14		0			14		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 09-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 21-V-0007 er: 665				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VA MEDICAL CENTER (670) 800 IRVING AVENUE RESEARCH 151 SYRACUSE, NY 13210 Telephone: 3154254892						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tests (<i>A</i>) explanation of the procedures		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL	REGISTRAT Customer Nu		N NUMBER: 16-V-0002 er: 454				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	ARCH FACILIT	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VA MEDICAL CENTER (689) RESEARCH DEPT. 950 CAMPBELL AVENUE br/> WEST HAVEN, CT 06516 Telephone: 203-932-5711 Ext 3968						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, currenty, or tests. (A a exploration of the procedures)		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Dec-2021

information unless it displays	ed to respond to, a collection of ction is 0579-0036. The time viewing instructions, searching mation.	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 22-V-0003 er: 655				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VA MEDICAL CENTER 561 385 TREMONT AVENUE EAST ORANGE, NJ 07018 Telephone: 9736761000						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests: (An explanation of the procedures		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 09-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 61-V-0003 er: 936				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VA MEDICAL CENTER DEPT OF VETERANS AFFAIRS 1101 VETERANS DR br/> LEXINGTON, KY 40511 Telephone: 8592334511						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgrave, or tests. (An explanation of the procedures)		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL	REGISTRAT Customer Nu		N NUMBER: 61-V-0002 er: 935				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	ARCH FACILIT	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VA MEDICAL CENTER 800 ZORN AVENUE MAILSTOP 151 br/> LOUISVILLE, KY 40206 Telephone: 5022875500							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments,		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Oct-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be	v (7 U.S.C. 2143). Failure to subject to penalties as provide	report according to the reguled for in Section 2150.	lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 65-V-0002 er: 956				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VA MEDICAL CENTER 1500 E. WOODROW WILSON DRIVE JACKSON, MS 39216 Telephone: 6013641315						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (A explanation of the procedures		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 10-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be	v (7 U.S.C. 2143). Failure to subject to penalties as provide	report according to the reguled for in Section 2150.	lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 56-V-0002 er: 985				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VA MEDICAL CENTER RALPH H. JOHNSON DEPT OF VAMC 109 BEE STREET br/> CHARLESTON, SC 29401 Telephone: 8437896707						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures)		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 16-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 57-V-0002 er: 1007				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VA MEDICAL CENTER ONE FREEDOM WAY RESEARCH AND DEVELOPMENT 509/24 AUGUSTA, GA 30904 Telephone: 7067330188						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery tasts. (An explanation of the procedures		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be	v (7 U.S.C. 2143). Failure to subject to penalties as provide	report according to the reguled for in Section 2150.	lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 51-V-0010 er: 742				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VA MEDICAL CENTER RESEARCH SERVICE (151) 10 NORTH GREENE STREET br/> BALTIMORE, MD 21201 Telephone: 4106057312						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tests. (An explanation of the procedures		TOTAL NUMBER OF			
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 09-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 55-V-0003 er: 982				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VA MEDICAL CENTER 508 FULTON STREET RESEARCH SERVICE (151) br/> DURHAM, NC 27705 Telephone: 9192866926						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery crists: (An explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0 0					0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Dec-2021

information unless it display required to complete this in	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
	w (7 U.S.C. 2143). Failure to e subject to penalties as provid		lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL		REGISTRATION NUMBER: 93-R-0479 Customer Number: 18820					
ANNUAL RI	EPORT OF RESE (TYPE OR PRINT		Ϋ́Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Valley Biosystems P.O. Box 2216 West Sacramento, CA 95691 Telephone: 9163742735						
REPORT OF ANIMALS U	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tests. (An explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	279	157	46		0			203		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 10-Nov-2021

information unless it display required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 31-R-0135 er: 507018				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VALLEY COLLEGE 8700 BROOKPARK ROAD CLEVELAND, OH 44129 Telephone: (216) 453-8201						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tastr. (A a explanging of the procedures)		TOTAL NUMBER OF			
4 Dogs	0	58	52		0			110		
5 Cats	0	142	95		0			237		
6 Guinea Pigs	0	8	0		0			8		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 13-Jan-2022

information unless it display	viewing instructions, searching	0	MB APPROVED 0579-0036						
	w (7 U.S.C. 2143). Failure to subject to penalties as provide		lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRA Customer Nu		NUMBER: 63-R-0129 er: 335389			
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VANDERBILT UNIVERSITY MEDICAL CENTER 1161 21ST AVE S MCN AA 6206 NASHVILLE, TN 37232 Telephone: 6153222231			
	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. N expected concerned the a aness have inter surg prod rease	Number of animals upon which teaching, periments, research, surgery, or tests were nducted involving accompanying pain or distress to e animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would ve adversely affected the procedures, results, or terpretation of the teaching, research, experiments, rgery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the asons such drugs were not used must be attached to is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	32		0	* ·		32	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	6	3		0			9	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	2		0			2	
9 Non-Human Primates	43	3	82		0			85	
10 Sheep	0	0	14		0			14	
11 Pigs	0	0	43		0			43	
12 Other Animals	26	2	374		10			386	
Northern tree shrew	26	2	6		10			18	
Mongolian gerbil	0	0	282		0			282	
Hispid cotton rat	0	0	86		0			86	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 93-R-0578 er: 502192				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VERB SURGICAL 5490 GREAT AMERICA PKWY Santa Clara, CA 95054 Telephone: 7703372390						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	esearch, r tests were involving ying pain or the animals	exp con the ane hav inte surg proo	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tests. (An avalance of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	2		0			2		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	14		0			14		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 93-R-0578 er: 502192				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VERB SURGICAL 5490 GREAT AMERICA PKWY Santa Clara, CA 95054 Telephone: 7703372390						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	esearch, r tests were involving ying pain or the animals	exp con the ane hav inte surg proo	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tests. (An avalance of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	2		0			2		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	14		0			14		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Nov-2021

information unless it displays	ed to respond to, a collection of ction is 0579-0036. The time viewing instructions, searching mation.	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL	REGISTRAT Customer Nu		N NUMBER: 41-R-0089 er: 502497			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as register USDA, include ZIP Code) VERMILION COMMUNITY COLLEGE 1900 E CAMP ST ELY, MN 55731 Telephone: 2182352170								ess, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery creats, CA explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	2	0		0			2	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	12	0		0			12	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 02-Nov-2021

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
	w (7 U.S.C. 2143). Failure to subject to penalties as provide		lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL		REGISTRATION NUMBER: 13-R-0009 Customer Number: 265				
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VERMONT TECHNICAL COLLEGE 124 Admin Drive RANDOLPH CENTER, VT 05061 Telephone:			
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		experience condition the automatic anest have interp surge produ- reaso	2. Number of animals upon which teaching, xperiments, research, surgery, or tests were onducted involving accompanying pain or distress the animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would ave adversely affected the procedures, results, or therpretation of the teaching, research, experiments, urgery, or tests. (An explanation of the procedures roducing pain or distress on these animals and the asons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	26		0			26	
5 Cats	0	0	31		0			31	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	4		0			4	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	12	0		0			12	
Cattle / Cow / Ox / Watusi	0	6	0		0			6	
Domestic Goat	0	2	0		0			2	
Domestic Horse	0	4	0		0			4	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 13-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 15-R-0021 er: 33144				
ANNUAL RE	FERS RESEARCH FACILITY (Name P Code) , 2878 68413	e and Addre	ess, as registered with							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, current, or tests. (An exploration of the procedures)		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	171	0	256		0			256		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0 0					0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 09-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 33-R-0138 er: 38359				
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VET TECH INSTITUTE @ FOX COLLEGE 18020 OAK PARK AVE TINLEY PARK, IL 60477 Telephone: 7084444510								
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg proo reas	Number of animals upon which teaching, speriments, research, surgery, or tests were onducted involving accompanying pain or distress to e animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would we adversely affected the procedures, results, or terpretation of the teaching, research, experiments, irgery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the asons such drugs were not used must be attached to is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	78	6	72		0			78		
5 Cats	80	17	63		0			80		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	10	10	0		0			10		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	32	21	11		0			32		
Domestic Horse	22	13	9		0			22		
Domestic Goat	2		0			10				

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.										
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021			
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 48-R-0116 er: 333952					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	ΥY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Veterinary and Biomedical Research Center Inc. 9027 Green Valley Drive Manhattan, KS 66502 Telephone: (785)320-2369								
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)										
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		. Number of animals upon which teaching, xperiments, research, surgery, or tests were onducted involving accompanying pain or distress to a animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would ave adversely affected the procedures, results, or iterpretation of the teaching, research, experiments, argery, or tests. (An explanation of the procedures roducing pain or distress on these animals and the assons such drugs were not used must be attached to his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	104	4	0		0			4			
5 Cats	0	0	0		0			0			
6 Guinea Pigs	12	0	0		0			0			
7 Hamsters	0	0	0		0			0			
8 Rabbits	0	0	0		0			0			
9 Non-Human Primates	0	0	0		0			0			
10 Sheep	0	0	0		0			0			
11 Pigs	0	0	0		0			0			
12 Other Animals	0	12	0		0			12			
Domestic Horse	0	12	0		0			12			

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 24-Nov-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 74-R-0228 er: 503606			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		ŶY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VETERINARY EMERGENCY AND CRITICAL CARE SOCIETY 6335 Camp Bullis Rd 12 SAN ANTONIO, TX 78257 Telephone: 2106985575					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were		experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the treaching, research, experiments, surgery, or test, (An exploration of the procedures)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0 0				0 0		0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Jan-2022

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL	REGISTRATION NUMBER: 74-R-0212 Customer Number: 329347					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	ARCH FACILIT	Y	USDA, includ	le ZL ealth X 79	Source L L C 1022	e and Addre	ess, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments,		TOTAL NUMBER OF	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0 0 0						

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Feb-2022

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 55-R-0153 er: 331720				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	USDA, includ	le ZII Y TA 70 394	CTICAL GROUP	e and Addre	ss, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tasts. (An explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0	-		0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0 0 0							

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 06-Jan-2022

information unless it displays	ed to respond to, a collection of ction is 0579-0036. The time viewing instructions, searching mation.	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 52-R-0124 Customer Number: 493					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VIRGINIA COMMONWEALTH UNIVERSITY DIVISION OF ANIMAL RESOURCES 1101 E MARSHALL ST br/> RICHMOND, VA 23298 Telephone: (804) 828-6587					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, everyary, or tester (An explanation of the procedures		TOTAL NUMBER OF	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	18	0	122		83			205	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	4	0	19		0			19	
12 Other Animals	0	0	0		0	0			

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 14-Nov-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 63-R-0124 er: 329851			
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VOLUNTEER STATE COMMUNITY COLLEGE 1480 NASHVILLE PIKE GALLATIN, TN 37066 Telephone: 6152303262								
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, currency or teste (An avalantion of the procedures		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	11	5		0			16	
5 Cats	0	14	0		0			14	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	14	0		0			14	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0					0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 51-R-0100 Customer Number: 332923						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) VRL MARYLAND LLC 401 Professional Dr., Suite 210 GAITHERSBURG, MD 20879 Telephone: 800-804-3586						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane: hav inte surg proo	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	17	0		0			17		
Arizona Cotton Rat	0	17	0		0			17		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 24-Nov-2021

information unless it displays	ed to respond to, a collection of ction is 0579-0036. The time viewing instructions, searching mation.	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 86-R-0009 er: 1051			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) W. L. GORE & ASSOCIATES INC. 1505 N. FOURTH STREET FLAGSTAFF, AZ 86004 Telephone: 9288642705					
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgestry or tests. (An explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	9	3	95		0			98	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	5	0	95		0			95	
11 Pigs	6	4	168		0			172	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 16-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 55-R-0001 er: 825		
ANNUAL RE	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Wake Forest University MEDICAL CENTER BOULEVARD WINSTON SALEM, NC 27157 Telephone: 3367137006						
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional	sheet	ts, if necessary, or use APHIS FORM 7	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expected constitutes the a aness have inter surg proc reas	Number of animals upon which teaching, periments, research, surgery, or tests were onducted involving accompanying pain or distress to e animals and for which the use of appropriate eesthetic, analgesic, or tranquilizing drugs would we adversely affected the procedures, results, or terpretation of the teaching, research, experiments, rgery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the asons such drugs were not used must be attached to is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0			0
5 Cats	0	0	23		0			23
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	0	6	12		0			18
9 Non-Human Primates	0	48	855		0			903
10 Sheep	0	2	41		0			43
11 Pigs	0	4	205		0			209
12 Other Animals	0	5	0		0			5
Domestic Goat	0	2	0		0			2
Domestic Ferret	0		0			3		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 09-Dec-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 10-F-0002 Customer Number: 439						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) WALTER REED ARMY INSTITUTE OF RESEARCH DIV. OF VETERINARY MEDICINE, BLDG 511 503 ROBERT GRANT AVE silver SPRING, MD 20910 Telephone: 3013197100							
	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)										
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distre he animals and for which the use of appropriate mesthetic, analgesic, or tranquilizing drugs woul- tave adversely affected the procedures, results, on nterpretation of the teaching, research, experime urgery, or tests. (An explanation of the procedur roducing pain or distress on these animals and the easons such drugs were not used must be attache his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	4	0		0			4		
6 Guinea Pigs	0	26	0		142			168		
7 Hamsters	0	21	6		0			27		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	34	58	40		0			98		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	62		0			62		
12 Other Animals	0	28	67		0			95		
Domestic Ferret	0	28	67		0			95		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 16-Dec-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 65-G-0001 er: 334027				
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Warmwater Aquaculture Research Unit P.O. Box 38 STONEVILLE, MS 38776 Telephone: 6626863589				
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg proo	C. Number of animals upon which teaching, xperiments, research, surgery, or tests were onducted involving accompanying pain or distress to he animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would ave adversely affected the procedures, results, or nterpretation of the teaching, research, experiments, urgery, or tests. (An explanation of the procedures roducing pain or distress on these animals and the easons such drugs were not used must be attached to his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	24476	65662	11141		0			76803		
ARS FISH	24476	65662	55662 11141					76803		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 17-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 74-R-0222 Customer Number: 501202						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) WARRIOR ELITE TACTICAL LLC 4117 Valleverde View SAN ANTONIO, TX 78261 Telephone:								
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane: hav inte surg proo	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		
Domestic Goat	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL	REGISTRAT Customer Nu		N NUMBER: 52-R-0013 er: 482			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	ARCH FACILIT	Y	USDA, includ	le ZI DN A LL I, VA	ND LEE UNIVERSITY 24450	e and Addre	ess, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (A explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	2	0		0			2	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0 0					0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 15-Nov-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL	REGISTRAT Customer Nu		N NUMBER: 51-R-0031 er: 532			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	ARCH FACILIT	Y	USDA, includ	le ZI DN B. LLE,	IOTECHNOLOGY INC MD 21150	and Addre	ss, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, current, or tasts. (An explanation of the procedures		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	6		42			48	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching o579-0036 of 0579-0036 of 0579								
This report is required by law to cease and desist and to be s			lations can r	esult in an order	ŗ	Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A IT HEALTH INSPEC		MAL	REGISTRAT		NUMBER: 91-R-0002 : 1026			
ANNUAL RE	PORT OF RESE. (TYPE OR PRINT		Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) WASHINGTON STATE UNIVERSITY OFFICE OF THE CAMPUS VETERINARIAN P O BOX 641165 br/> PULLMAN, WA 99164 Telephone: 5093356246					
	1					, if necessary, or use APHIS FORM 7		T	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		exper condu the ar anest have interp surge produ reaso	Number of animals upon which teaching, periments, research, surgery, or tests were inducted involving accompanying pain or distress to e animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would we adversely affected the procedures, results, or terpretation of the teaching, research, experiments, rgery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the asons such drugs were not used must be attached to is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	14	0		0			14	
5 Cats	0	0	0		0		0		
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	9	0		0			9	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	7	9		0			16	
11 Pigs	0	0	0		0			0	
12 Other Animals	77	104	130		4			238	
Domestic Goat	0	18	62		0			80	
Cattle / Cow / Ox / Watusi	0	38	9		0			47	
Alpaca	0	11	0		0			11	
Domestic Horse	0	0	32		0			32	
Llama	0	1	0		0			1	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036
This report is required by law to cease and desist and to be s			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 91-R-0002 er: 1026		
	ATION SHEET Γ OF RESEARCI (TYPE OR PRINT	H FACILITY		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) WASHINGTON STATE UNIVERSITY OFFICE OF THE CAMPUS VETERINARIAN P O BOX 641165 > PULLMAN, WA 99164 Telephone: 5093356246				ss, as registered with
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional	shee	ets, if necessary, or use APHIS FORM 70	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp cor the and hav into sur pro rea	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
Desert kangaroo rat	0	0	9		0			9
Bighorn sheep	0	10	0		0			10
Elk	3	11	5		4			20
White-tailed deer	3	6	0		0			6
Mule deer	7	5	0		0			5
Grizzly Bear	0	0	11		0			11
Seba's short-tailed bat	34	0	2		0			2
Domestic Ferret	0	4	0					4
Deer mouse	30	0	0		0			0

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (LO.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

According to the Paperwork I information unless it displays required to complete this info existing data sources, gatherin	n is 0579-0036. The time wing instructions, searching	OMB APPROVED 0579-0036								
This report is required by law to cease and desist and to be s			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRA' Customer N		NUMBER: 43-R-0008 1444	•			
ANNUAL REI	PORT OF RESE. (TYPE OR PRINT		Y	2. HEADQU USDA, incluo WASHINGTC 660 S Euclid SAINT LOUI Telephone: 3	de ZIP C ON UNIN Campus S, MO 6	VERSITY 8 Box 8106 3110	e and Addre	ess, as registered with		
REPORT OF ANIMALS USI	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		experin conduct the ani anesthe have av interpr surgery product reason	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress t the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	3	49		0			52		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	50	237	148		0			385		
7 Hamsters	0	1020	0		0			1020		
8 Rabbits	0	4	16		0			20		
9 Non-Human Primates	0	48	17		0			65		
10 Sheep	0	0	0		0			0		
11 Pigs	0	5	244		0			249		
12 Other Animals	37	32	27		0			59		
Armenian hamster / Migratory hamster	0	27	0		0			27		
Fat-tailed dunnart	37	0	0		0			0		
Black-footed ferret	0	5	27		0			32		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 34-R-0014 er: 120		
ANNUAL RE	PORT OF RESE. (TYPE OR PRINT		Y	USDA, includ WAYNE STAT DIRECTOR/A	de ZII TE U ATTE F LA	INIVERSITY ENDING VETERINARIAN BORATORY ANIMAL RESOURCES b1		
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A)	ttach additional s	shee	ts, if necessary, or use APHIS FORM 70	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, experiments, research, surgery, or tests were conducted involving accompanying pain or or the animals and for which the use of appropri- anesthetic, analgesic, or tranquilizing drugs v have adversely affected the procedures, resul- interpretation of the teaching, research, expec- surgery, or tests. (An explanation of the proc producing pain or distress on these animals a		distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	8		0			8
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	3	5	14		136	5		155
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	0	0		0			0
11 Pigs	0	0	35		0			35
12 Other Animals	0	0	0		0			0

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 19-Nov-2021

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.						
	w (7 U.S.C. 2143). Failure to subject to penalties as provid		lations can r	esult in an order	Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 87-R-0008 Customer Number: 5			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				USDA, include WEBER STAT	E UNIVERSITY urkway Department 1027 4408	e and Addre	ss, as registered with
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional s	heets, if necessary, or use APHIS FORM 7	7023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	h experiments, esearch, tests were involving ying pain or the animals ich appropriate analgesic, or ng drugs were	E. Number of animals upon which teachin experiments, research, surgery, or tests we conducted involving accompanying pain o the animals and for which the use of appro- anesthetic, analgesic, or tranquilizing drug have adversely affected the procedures, re- interpretation of the teaching, research, ex- surgery, or tests. (An explanation of the pr producing pain or distress on these animal reasons such drugs were not used must be this report.)	or distress to opriate s would sults, or periments, rocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
1 Eastern woodrat	0	30	0		0		30

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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Date Signed

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.						
	w (7 U.S.C. 2143). Failure to subject to penalties as provid		lations can r	esult in an order	Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 87-R-0008 Customer Number: 5			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				USDA, include WEBER STAT	E UNIVERSITY urkway Department 1027 4408	e and Addre	ss, as registered with
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional s	heets, if necessary, or use APHIS FORM 7	7023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	h experiments, esearch, tests were involving ying pain or the animals ich appropriate analgesic, or ng drugs were	E. Number of animals upon which teachin experiments, research, surgery, or tests we conducted involving accompanying pain o the animals and for which the use of appro- anesthetic, analgesic, or tranquilizing drug have adversely affected the procedures, re- interpretation of the teaching, research, ex- surgery, or tests. (An explanation of the pr producing pain or distress on these animal reasons such drugs were not used must be this report.)	or distress to opriate s would sults, or periments, rocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
1 Eastern woodrat	0	30	0		0		30

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036					
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 21-R-0114 er: 336		
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	USDA, include WEILL CORN	le ZII NELI AVEN NY 1	L MEDICINE NUE - BOX 40 10065	and Addre	ss, as registered with
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A)	ttach additional s	shee	ts, if necessary, or use APHIS FORM 7(023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	eriments, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, ppropriate surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the		distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0			0
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	30		0			30
8 Rabbits	0	14	137		7			158
9 Non-Human Primates	0	0	36		0			36
10 Sheep	0	0	0		0			0
11 Pigs	0	0	0		0			0
12 Other Animals	0	0	0		0			0

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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Date Signed 19-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 14-R-0094 er: 145		
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	USDA, includ WELLESLEY SCIENCE CE	le ZIF COL ENTE L ST	LLEGE TR TREET WELLESLEY, MA 02481	e and Addre	ess, as registered with
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A	ttach additional .	sheet	ts, if necessary, or use APHIS FORM 7(023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, research, surgery, or tests were conducted involving accompanying pain or dis the animals and for which the use of appropria anesthetic, analgesic, or tranquilizing drugs wo have adversely affected the procedures, results interpretation of the teaching, research, experir is surgery, or tests. (An explanation of the proced producing pain or distress on these animals and		e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0			0
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	0	0	0		0			0
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	0	0		0			0
11 Pigs	0	0	0		0			0
12 Other Animals	0	0	0		0			0

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 07-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							
This report is required by law to cease and desist and to be			lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 74-R-0035 er: 1448		
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQU USDA, includ Wellmark Inte 12111 Ford R Dallas, TX 75 Telephone: 97	le ZI erna Road 5234	tional	e and Addre	ss, as registered with
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A	ttach additional s	shee	ts, if necessary, or use APHIS FORM 7	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	r tests were	conducted involving accompanying pain or d the animals and for which the use of appropri anesthetic, analgesic, or tranquilizing drugs w have adversely affected the procedures, resul interpretation of the teaching, research, exper surgery, or tests. (An explanation of the proce producing pain or distress on these animals a		e distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0			0
5 Cats	7	54	0		0			54
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	0	0	0		0			0
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	0	0		0			0
11 Pigs	0	0	0		0			0
12 Other Animals	0	0	0		0			0

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 16-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 23-R-0143 er: 380			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) WEST CHESTER UNIVERSITY 700 S Church Street, Ehinger Annex WEST CHESTER, PA 19383 Telephone: 6104363557					
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A	ttach additional .	shee	ts, if necessary, or use APHIS FORM 7(023A.)		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whice teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	experiments, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments sch appropriate surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the		distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 93-V-0006 er: 1325		
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Ϋ́Υ	USDA, includ WEST L.A. V. 11301 WILSH	le ZII .A. M HIRE RM. I	IEDICAL CENTER #691 BLVD. (151) 102 br/> LOS ANGELES, CA 90073	e and Addre	ess, as registered with
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY(A	ttach additional i	shee	ts, if necessary, or use APHIS FORM 7(023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	eriments, experiments, research, surgery, or tests were conducted involving accompanying pain or distres the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experimen proprinte surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and th		distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	0	0		0			0
5 Cats	0	2	0		0			2
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	0	0	32		0			32
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	0	0		0			0
11 Pigs	0	0	0		0			0
12 Other Animals	0	0	0		0			0

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							
This report is required by law to cease and desist and to be			lations can r	esult in an order	r	Interagency Report Control No. 0180-DOA-AN	-	Fiscal Year: 2021
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 74-R-0206 er: 325489		
ANNUAL RE	PORT OF RESE. (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) West Texas A & M University WT Box 60217 CANYON, TX 79016 Telephone: 8066513622				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY (A)	ttach additional	sheet	ts, if necessary, or use APHIS FORM 7	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expected constitutes aness have inter surg proc reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress t the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	0	12	0		0			12
5 Cats	0	0	0		0			0
6 Guinea Pigs	0	0	0		0			0
7 Hamsters	0	0	0		0			0
8 Rabbits	0	0	0		0			0
9 Non-Human Primates	0	0	0		0			0
10 Sheep	0	29	0		0			29
11 Pigs	0	0	0		0			0
12 Other Animals	0	283	0		0			283
Cattle / Cow / Ox / Watusi	0	260	0		0			260
Domestic Horse	0	23	0		0			23

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 24-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be	v (7 U.S.C. 2143). Failure to subject to penalties as provid	report according to the regulated for in Section 2150.	lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 54-R-0001 Customer Number: 276					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) WEST VIRGINIA UNIVERSITY 886 CHESTNUT RIDGE RD P O BOX 6845 br/> MORGANTOWN, WV 26506 Telephone: 3042937073						
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experime teaching, research, surgery, or tests were conducted involving accompanying pain or of distress to the animals			ents, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures or distress on these animals and the			
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	2	0	52		0			52	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	1	5	107		0			112	
11 Pigs	0	0	1		0			1	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 17-Nov-2021

information unless it display required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								
This report is required by law to cease and desist and to be			lations can r	esult in an order	esult in an order Interagency Report Control Fiscal No. 0180-DOA-AN				
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 86-R-0043 Customer Number: 331699					
ANNUAL RE	PORT OF RESE. (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Western Maricopa Education Center 5487 North 99 Avenue GLENDALE, AZ 85305 Telephone: 623-738-0032					
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whice teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	tts, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, ate surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the (Cols.		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	16	30	0		0			30	
5 Cats	11	15	0		0			15	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Nov-2021

information unless it display required to complete this inf	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of nformation unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time equired to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 34-R-0161 Customer Number: 522					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) WESTERN MICHIGAN UNIVERSITY Office of Research and Innovation, 1903 W MICHIGAN AVE KALAMAZOO, MI 49008 Telephone: 269-387-8293					
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	exp con the ane hav inte surg proo reas	Number of animals upon which teaching eeriments, research, surgery, or tests wer iducted involving accompanying pain or animals and for which the use of approp sthetic, analgesic, or tranquilizing drugs e adversely affected the procedures, ress erpretation of the teaching, research, exp gery, or tests. (An explanation of the pro ducing pain or distress on these animals sons such drugs were not used must be a s report.)	e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 12-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 93-G-0002 er: 334309				
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) WESTERN REGIONAL RESEARCH CENTER 800 Buchanan St ALBANY, CA 94710 Telephone: 5105595649				
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg pro reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress he animals and for which the use of appropriate unesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or nterpretation of the teaching, research, experiments surgery, or tests. (An explanation of the procedures roducing pain or distress on these animals and the easons such drugs were not used must be attached t his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		
House mouse / lab mouse	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Dec-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 93-R-0464 er: 15322				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		ΥY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Western University of Health Sciences 309 East Second Street Pomona, CA 91766 Telephone: 9094697040						
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg pro reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to he animals and for which the use of appropriate unesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or nterpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the easons such drugs were not used must be attached to his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	6		0			6		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	6	0	62		0			62		
12 Other Animals	0	1635	0		0			1635		
American least shrew	0	1635	0		0			1635		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL	REGISTRATION NUMBER: 23-R-0049 Customer Number: 502					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	ARCH FACILIT	Y	USDA, includ	le ZI LANI 1	D TESTING AND RESEARCH, INC.	e and Addre	ess, as registered with	
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the			TOTAL NUMBER OF	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	74	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Oct-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 33-R-0088 Customer Number: 572					
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address USDA, include ZIP Code) WHEATON COLLEGE 501 E COLLEGE AVENUE WHEATON, IL 60187 Telephone: 6307525004							ess, as registered with		
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	exp con the ane hav inte surg pro reas	Number of animals upon which teaching periments, research, surgery, or tests wer aducted involving accompanying pain or animals and for which the use of approp esthetic, analgesic, or tranquilizing drugs we adversely affected the procedures, res erpretation of the teaching, research, exp gery, or tests. (An explanation of the pro- oducing pain or distress on these animals isons such drugs were not used must be a s report.)	e distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 12-Oct-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be	v (7 U.S.C. 2143). Failure to subject to penalties as provid	report according to the reguled for in Section 2150.	lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 14-R-0177 er: 151				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	ΥY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) WHEATON COLLEGE VIVARIUM SCIENCE CENTER, 26 E MAIN ST NORTON, MA 02766 Telephone: 5082865655							
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg proo	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	17	0	0		0			0		
Degu	17	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 02-Nov-2021

According to the Paperwork information unless it displays required to complete this infor- existing data sources, gatheri	о	OMB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order	Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL		TION NUMBER: 48-R-0117 umber: 335743			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		ΥY	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) WICHITA STATE UNIVERSITY CAMPUS OF APPLIED SCIENCE 3821 E Harry St WICHITA, KS 67218 Telephone: (316) 677-1610				
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional :	sheets, if necessary, or use APHIS FOI	RM 7023A.)		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.			E. Number of animals upon which tea experiments, research, surgery, or test conducted involving accompanying p the animals and for which the use of a anesthetic, analgesic, or tranquilizing have adversely affected the procedure interpretation of the teaching, researcl surgery, or tests. (An explanation of th producing pain or distress on these an reasons such drugs were not used mus- this report.)	s were ain or distress to ppropriate drugs would s, results, or h, experiments, he procedures imals and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	23	1		0		24	
5 Cats	0	2	2		0		4	
6 Guinea Pigs	0	0	0		0		0	
7 Hamsters	0	0	0		0		0	
8 Rabbits	0	2	0		0		2	
9 Non-Human Primates	0	0	0		0		0	
10 Sheep	0	0	0		0		0	
11 Pigs	0	0	0		0		0	
12 Other Animals	0	16	0		0		16	
Domestic Horse	0	5	0		0		5	
Domestic Goat	0	6	0		0		6	
Cattle / Cow / Ox / Watusi	0	2	0		0		2	
Norway rat / lab rat (common research/pet variety)	0	3	0		0		3	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.							O	MB APPROVED 0579-0036
This report is required by law to cease and desist and to be s			ations can re	esult in an order		Interagency Report Control No. 0180-DOA-AN	F	Fiscal Year: 2021
UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE				REGISTRATION NUMBER: 48-R-0117 Custoner Number: 335743				
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) WICHITA STATE UNIVERSITY CAMPUS OF APPLIED SCIENCE 3821 E Harry St WICHITA, KS 67218 Telephone: (316) 677-1610				
REPORT OF ANIMALS USI	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(At	ttach additional	sheets, ij	f necessary, or use APHIS FORM 7	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes		upon which teaching, re surgery, or conducted accompany distress to t and for whi	upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or		her of animals upon which teachin, nents, research, surgery, or tests we ted involving accompanying pain o mals and for which the use of appro tic, analgesic, or tranquilizing drug dversely affected the procedures, res etation of the teaching, research, exp , or tests. (An explanation of the pr ing pain or distress on these animals s cuch drugs were not used must be	re r distress to priate s would sults, or periments, ocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)

used

this report.)

ASSURANCE STATEMENTS

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (1.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 29-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be			lations can r	esult in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 48-R-0014 er: 1446			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Wichita State University 1845 FAIRMOUNT BOX # 26 WICHITA, KS 67260 Telephone: 3169783111					
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whic teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	ments, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the			TOTAL NUMBER OF	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	2	0	4		0			4	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Oct-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can re	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL	REGISTRATION NUMBER: 74-F-0003 Customer Number: 1386					
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) (TYPE OR PR							e and Addre	ess, as registered with	
REPORT OF ANIMALS US	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the			TOTAL NUMBER OF	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	16		0			16	
11 Pigs	0	0	481		0			481	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
	w (7 U.S.C. 2143). Failure to subject to penalties as provide		lations can r	result in an order	-	Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 23-R-0166 er: 1688				
ANNUAL RE	EPORT OF RESE (TYPE OR PRINT		Υ	2. HEADQUA USDA, includ Wilkes Univer 84 West South WILKES BAR Telephone: 57	le ZL rsity h Stro RRE,	eet PA 18766	e and Addre	ess, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments,				
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Dec-2021

According to the Paperwork information unless it displays required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be	(7 U.S.C. 2143). Failure to subject to penalties as provided	report according to the reguled for in Section 2150.	lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 34-R-0037 er: 200			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	USDA, includ	le ZII EAUN 3 MI , MI 4	MONT HOSPITAL ILE ROAD 48073	e and Addre	ess, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	tests were	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	35		0			35	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	4		0			4	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

According to the Paperwork information unless it display: required to complete this info existing data sources, gatheri	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 74-R-0031 er: 1515			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Υ	2. HEADQUA USDA, includa William Mars. P. O. BOX 18 HOUSTON, T Telephone: 71	le ZI. sh Ri 392 - TX 72	ice University M S 16 7251	e and Addre	ess, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, currenty, or tester (An exploring of the procedures)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 13-Oct-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036								
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021			
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 23-R-0124 er: 370					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) WILSON COLLEGE VETERINARY MEDICAL TECHNOLOGY 1015 PHILADELPHIA AVE br/> CHAMBERSBURG, PA 17201 Telephone: 7172644141								
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)										
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		expe cond the a anes have inter surg prod reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distr the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs wou have adversely affected the procedures, results, interpretation of the teaching, research, experime surgery, or tests. (An explanation of the procedu producing pain or distress on these animals and t reasons such drugs were not used must be attach this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	23	0		0			23			
5 Cats	0	10	0		0			10			
6 Guinea Pigs	0	4	0		0			4			
7 Hamsters	0	4	0		0			4			
8 Rabbits	0	5	0		0			5			
9 Non-Human Primates	0	0	0		0			0			
10 Sheep	0	10	0		0			10			
11 Pigs	4	0	0		0			0			
12 Other Animals	0	12	0		0			12			
Domestic Horse	0	12	0		0			12			

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 25-Oct-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be	v (7 U.S.C. 2143). Failure to subject to penalties as provid	report according to the reguled for in Section 2150.	lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 56-V-0003 er: 986			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	USDA, include WJB DORN V	le ZII VETE EV SI SC 2	ERANS HOSPITAL ER LINE 6439 GARNERS FERRY RD 29209	e and Addre	ss, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	16		0			16	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

information unless it displays	viewing instructions, searching	0	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be	v (7 U.S.C. 2143). Failure to subject to penalties as provid	report according to the regu ded for in Section 2150.	lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 74-F-0006 er: 1369			
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Win. Beaumont Army Med Ctr ATTN: DCI - BIO RESEARCH SERVICE 5005 N. PIEDRAS ST. br/> EL PASO, TX 79920 Telephone: 9157422227								ss, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached t this report.)		e distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	12		0			12	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 22-Nov-2021

According to the Paperwork information unless it display required to complete this inf existing data sources, gather	0	MB APPROVED 0579-0036							
This report is required by law to cease and desist and to be	v (7 U.S.C. 2143). Failure to subject to penalties as provide	report according to the reguled for in Section 2150.	lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 14-R-0218 er: 137			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Υ	USDA, includ	le ZII R PO. TE R R, MA	LYTECHNIC INSTITUTE ROAD A 01609	e and Addre	ess, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgrave, or tester, (An explanation of the procedures)		TOTAL NUMBER OF		
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 14-Oct-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL	REGISTRAT Customer Nu		N NUMBER: 22-R-0013 er: 163			
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	ARCH FACILIT	Y	USDA, includ	le ZI E Me DRI NJ (OBILE VETERINARY UNIT IVE 07866	e and Addre	ess, as registered with	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (A a explanation of the procedures				
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	0	0	0		0			0	
7 Hamsters	0	0	0		0			0	
8 Rabbits	0	0	0		0			0	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 28-Dec-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 31-R-0055 er: 243				
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) WRIGHT STATE UNIVERSITY LAB ANIMAL RESOURCES 053 HEALTH SCIENCES br/> DAYTON, OH 45435 Telephone: 9377753336							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exp con the ane hav inte surg proo reas	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress he animals and for which the use of appropriate unesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or nterpretation of the teaching, research, experiments surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached t his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	38	8	176		0			184		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	3		0			3		
12 Other Animals	0	0	13		0			13		
Big brown bat	0	0	13		0			13		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 05-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036	
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021	
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 41-R-0061 er: 15690			
ANNUAL RE	T ERS RESEARCH FACILITY (Name P Code) NC E DRIVE I 55120 55200	e and Addre	ess, as registered with						
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tests. (An explanation of the procedures			
4 Dogs	0	0	0		0			0	
5 Cats	0	0	0		0			0	
6 Guinea Pigs	956	18078	45		0			18123	
7 Hamsters	0	0	0		0			0	
8 Rabbits	94	2280	711		0			2991	
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	0		0			0	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 01-Dec-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								MB APPROVED 0579-0036		
	w (7 U.S.C. 2143). Failure to subject to penalties as provide		lations can r	result in an order		Interagency Report Control No. 0180-DOA-AN	1	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		NUMBER: 88-R-0003 : 13006				
ANNUAL RE	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) WVC 2425 EAST OQUENDO ROAD LAS VEGAS, NV 89120 Telephone: 7027396698				
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		exper condu the ar anestl have interp surge produ reason	2. Number of animals upon which teaching, xperiments, research, surgery, or tests were onducted involving accompanying pain or distress he animals and for which the use of appropriate nesthetic, analgesic, or tranquilizing drugs would ave adversely affected the procedures, results, or nterpretation of the teaching, research, experiments urgery, or tests. (An explanation of the procedures roducing pain or distress on these animals and the easons such drugs were not used must be attached his report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	11	762		0			773		
5 Cats	0	8	74		0			82		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	5	0		0			5		
11 Pigs	0	0	49		0			49		
12 Other Animals	0	130	76		0			206		
Cattle / Cow / Ox / Watusi	0	67	1		0			68		
Domestic Horse	0	10	75		0			85		
Domestic Goat	0	53	0		0			53		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 21-Oct-2021

Bit Final State of an and a base and ba base and a base and ba base and a base and a base an	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching 0579-0036 existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.										
ANNUAL REPORT OF RESEARCH FACILITY Customer Junction Electory ANNUAL REPORT OF RESEARCH FACILITY IELOUINTERSEARCH FACILITY (June and Address, as registered with USA, acaded 20 Code) Science Junction IELOUINTERSEARCH FACILITY (June and Address, as registered with USA, acaded 20 Code) Science Junction IELOUINTERSEARCH FACILITY (June and Address, as registered with USA, acaded 20 Code) Science Junction IELOUINTERSEARCH FACILITY (June and Address, as registered with USA, acaded 20 Code) Science Junction IELOUINTERSEARCH FACILITY (June and Address, as registered with USA, acaded 20 Code) Science Junction IELOUINTERSEARCH FACILITY (June and Address, as registered with USA, acaded 20 Code) Animal Covered By The Marker of animals being and for acade part of minor dense being and provide academic and the society academic and the				lations can r	esult in an order	Inte			Fiscal Year: 2021		
ANNOAL KET VERTIGENERATE USDA, include 2P Code) Status St				MAL							
A.B.C.D. Number of animals upon which experiments, upon which experiments, research, surgery, or tests were conducted involving accompanying pain of distress of harimals during drugs wore pain distress of heading, research, surgery, or tests were animals and for which the use of appropriate anathetic, analgeise, or tranquiling drugs wore bread conducted involving accompanying pain of distress to the animals, and for which the use of appropriate anathetic, analgeise, or tranquiling drugs wore pain-relieving drugs.F.TOTAL NUMBER OF ANIMALS urecry or tests were conducted involving accompanying pain of distress to the animals and for which the use of appropriate anathetic, analgeise, or tranquiling drugs wore producing pain of distress on the animals and the research, experiments research, experiments, research, surgerno, or tests were producing pain of distress on the animals and the subing meterycation of the teaching, research, experimenta inserperior tests. (An explanation of the procedures, results, or inserperior tests were producing pain of distress on the animals and the meterycation of the teaching, research, experimenta inserperior tests were producing pain of distress on the animals and the meterycation of the teaching, research, experimenta research, experimenta re	ANNUAL RE						USDA, include ZIP Code) WYOMING GAME & FISH DEPARTMENT 2362 HIGHWAY 34 WHEATLAND, WY 82201				
A.B.C.D. Number of animals upon which experiments, upon which experiments, research, surgery, or tests were conducted involving accompanying pain of distress of harimals during drugs wore pain distress of heading, research, surgery, or tests were animals and for which the use of appropriate anathetic, analgeise, or tranquiling drugs wore bread conducted involving accompanying pain of 											
Animals Covered By The Animals Covered By The Anima		1				-	-		Е		
SolutionInitial ControlInitial ControlInitial Control5 Casi000006 Guinea Pigs000007 Hansers0000008 Rabits0000009 Non-Human Primates00000010 Sheep000000011 Pigs000000012 Other Animals000000016 Insteam000000016 Animals000000016 Animals000000016 Animals000000016 Animals000000016 Animals000000017 Animals000000016 Animals000000017 Animals000000018 Animals000000019 Animals000000019 Animals000000019 Animals00	Animals Covered By The Animal	Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such	Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of	upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		experiments conducted it the animals anesthetic, a have advers interpretation surgery, or to producing p reasons such	ucted involving accompanying pain or distress to nimals and for which the use of appropriate thetic, analgesic, or tranquilizing drugs would adversely affected the procedures, results, or pretation of the teaching, research, experiments, pry, or tests. (An explanation of the procedures ucing pain or distress on these animals and the ons such drugs were not used must be attached to		TOTAL NUMBER OF		
Arrian Guinea PigsImage: Solution of the second se	4 Dogs	0	0	0	0		0		0		
Production TamstersProduction <td>5 Cats</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td colspan="2">0</td> <td>0</td>	5 Cats	0	0	0		0		0			
Rabin	6 Guinea Pigs	0	0	0		0			0		
PointPointPointPointPointPointPoint9 Non-Human Primates000000010 Sheep0000000011 Pigs00000000012 Oher Animals3022200240Bighorn sheep190000000Elk50220022000American bison10000000Bobcat40000000	7 Hamsters	0	0	0		0			0		
Index of the second s	8 Rabbits	0	0	0		0			0		
International ImportImportImportImportImportImport11 Pigs00000012 Other Animals30220024Bighorn sheep19000000Elk500220022American bison1000000Bobcat4000000	9 Non-Human Primates	0	0	0		0			0		
12 Other Animals30222024Bighorn sheep1900000Elk502202222American bison100000Bobcat400000	10 Sheep	0	0	0		0			0		
Image: A stand big	11 Pigs	0	0	0		0			0		
Elk5022022American bison100000Bobcat400000	12 Other Animals	30	2	22		0			24		
American bisonIII<	Bighorn sheep	19	0	0		0			0		
Bobcat 4 O O O Image: Im	Elk	5	0	22		0			22		
	American bison	1	0	0		0			0		
Proghorn 1 2 0 0 2	Bobcat	4	0	0		0			0		
	Pronghorn	1	2	0		0			2		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 10-Nov-2021

information unless it displays	quired to respond to, a collection of ollection is 0579-0036. The time or reviewing instructions, searching nformation.	OM	MB APPROVED 0579-0036				
This report is required by law to cease and desist and to be s			ations can re	esult in an order	Interagency Report Control No. 0180-DOA-AN	Fiscal Year: 2021	
UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE Custoner Number: 1666							
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) WYOMING GAME & FISH DEPARTMENT 2362 HIGHWAY 34 WHEATLAND, WY 82201 Telephone: 3073222571			
REPORT OF ANIMALS USE	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(At	ttach additional	sheets, if necessary, or use APHIS FORM 7	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re surgery, or conducted accompany distress to t and for whi anesthetic,	h experiments, esearch, tests were involving ying pain or the animals ich appropriate analgesic, or	E. Number of animals upon which teaching experiments, research, surgery, or tests were conducted involving accompanying pain or the animals and for which the use of appro- anesthetic, analgesic, or tranquilizing drugg have adversely affected the procedures, res- interpretation of the teaching, research, exp surgery, or tests. (An explanation of the pro- producing pain or distress on these animals reasons such drugs were not used must be a	re r distress to priate s would sults, or periments, ocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)

used.

this report.)

ASSURANCE STATEMENTS

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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Date Signed 10-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu		N NUMBER: 72-R-0011 er: 1447				
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name USDA, include ZIP Code) XAVIER UNIVERSITY OF LOUISIANA 1 Drexel Dr. Box 68 NEW ORLEANS, LA 70125 Telephone: 5045205444								ss, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whick teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were the animals and for which the use of appr		beriments, research, surgery, or tests wer ducted involving accompanying pain or animals and for which the use of approp schtetic, analgesic, or tranquilizing drugs ve adversely affected the procedures, res erpretation of the teaching, research, exp gery, or tests. (An explanation of the pro- ducing pain or distress on these animals sons such drugs were not used must be a	e distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 06-Dec-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC	GRICULTURE AND TION SERVICE	MAL	REGISTRATION NUMBER: 23-R-0176 Customer Number: 329187						
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered w USDA, include ZIP Code) Y T I CAREER INSTITUTE 1405 WILLIAMS RD YORK, PA 17402 Telephone:								ess, as registered with		
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)										
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	tests were the animals and for which the use of appr		periments, research, surgery, or tests wer iducted involving accompanying pain or animals and for which the use of approg sthetic, analgesic, or tranquilizing drugs re adversely affected the procedures, res erpretation of the teaching, research, exp gery, or tests. (An explanation of the pro- ducing pain or distress on these animals soons such drugs were not used must be a	e distress to oriate swould ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	11	11		0			22		
5 Cats	0	130	45		0			175		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	13	5		0			18		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 09-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 91-R-0051 Customer Number: 1722						
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as reg USDA, include ZIP Code) YAKIMA VALLEY COLLEGE P.O. BOX 22520 YAKIMA, WA 98907 Telephone: 5095744635								ss, as registered with		
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)										
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	er of animals upon teaching, research, nents, or tests were ted involving no istress, or use of lieving drugs.		n experiments, escarch, tests were involving ing pain or have adversely affected the procedures, pr		re distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	69	47		0			116		
5 Cats	0	96	40		0			136		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	3	1		0			4		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 91-R-0051 Customer Number: 1722						
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as reg USDA, include ZIP Code) YAKIMA VALLEY COLLEGE P.O. BOX 22520 YAKIMA, WA 98907 Telephone: 5095744635								ss, as registered with		
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)										
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	er of animals upon teaching, research, nents, or tests were ted involving no istress, or use of lieving drugs.		n experiments, escarch, tests were involving ing pain or have adversely affected the procedures, pr		re distress to priate s would ults, or periments, pocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	69	47		0			116		
5 Cats	0	96	40		0			136		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	3	1		0			4		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Nov-2021

information unless it displays	a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	umber for the sponse, include	is information countries the time for	quired to respond to, a collection of ollection is 0579-0036. The time or reviewing instructions, searching nformation.	0	OMB APPROVED 0579-0036			
This report is required by law to cease and desist and to be			lations can r	esult in an order	Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021			
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT Customer Nu	TION NUMBER: 16-R-0001 umber: 48					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) YALE UNIVERSITY OFFICE OF RESEARCH ADMIN PO BOX 208327 NEW HAVEN, CT 06520 Telephone:							
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate		E. Number of animals upon which teach experiments, research, surgery, or tests conducted involving accompanying pai the animals and for which the use of ap anesthetic, analgesic, or tranquilizing du have adversely affected the procedures, interpretation of the teaching, research, surgery, or tests. (An explanation of the producing pain or distress on these anin reasons such drugs were not used must this report.)	hing, were n or distress to propriate rugs would results, or experiments, procedures nals and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)			
4 Dogs	0	0	2		0		2			
5 Cats	0	0	0		0		0			
6 Guinea Pigs	0	22	130		0		152			
7 Hamsters	12	236	12		882		1130			
8 Rabbits	0	4	19		0		23			
9 Non-Human Primates	77	38	28		0		66			
10 Sheep	0	0	6		0		6			
11 Pigs	0	0	152		0		152			
12 Other Animals	250	66	179		30		275			
Grey short-tailed opossum	30	45	0		0		45			
Naked mole-rat	0	3	0		0		3			
Mongolian gerbil	2	2	0		0		2			
Nine-banded armadillo	0	16	0		0		16			
Thirteen-lined ground squirrel	218	0	179		30		209			

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

information unless it displays	quired to respond to, a collection of ollection is 0579-0036. The time or reviewing instructions, searching nformation.	O	MB APPROVED 0579-0036						
This report is required by law to cease and desist and to be s			lations can re	esult in an order	Interagency Report Control No. 0180-DOA-AN	F	Fiscal Year: 2021		
	UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE				REGISTRATION NUMBER: 16-R-0001 Custoner Number: 48				
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) YALE UNIVERSITY OFFICE OF RESEARCH ADMIN PO BOX 208327 NEW HAVEN, CT 06520 Telephone:					
REPORT OF ANIMALS USF	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(At	ttach additional	sheets, if necessary, or use APHIS FORM 7	023A.)			
Animals Covered By The Animal Welfare Regulations Number of animals being for use in teaching, testing, experiments, research, or surgery but not yet used for such				r of animals h experiments, esearch, tests were involving ying pain or the animals ich appropriate analgesic, or ng drugs were	E. Number of animals upon which teaching experiments, research, surgery, or tests we conducted involving accompanying pain of the animals and for which the use of appro anesthetic, analgesic, or tranquilizing drug have adversely affected the procedures, res- interpretation of the teaching, research, exp surgery, or tests. (An explanation of the pr- producing pain or distress on these animals reasons such drugs were not used must be this report.)	re r distress to priate s would sults, or periments, ocedures s and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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Date Signed 30-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN	I	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 11-R-0031 Customer Number: 332398						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Ϋ́Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) YORK COUNTY COMMUNITY COLLEGE VETERINARY TECHNOLOGY PROGRAM 112 COLLEGE DR br/> WELLS, ME 04090 Telephone: 2072164375						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re- surgery, or conducted accompany distress to and for wh anesthetic,	ch experiments, e: research, cc or tests were th d involving an aying pain or hi o the animals ir thich appropriate su c, analgesic, or pr ing drugs were tre		Number of animals upon which teaching eriments, research, surgery, or tests wer ducted involving accompanying pain or animals and for which the use of approp sthetic, analgesic, or tranquilizing drugs e adversely affected the procedures, rest erpretation of the teaching, research, exp gery, or tests. (An explanation of the pro ducing pain or distress on these animals sons such drugs were not used must be a erport.)	distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 17-Nov-2021

information unless it displays	a valid OMB control numb ormation collection is estima	er. The valid OMB control n ted to average 2 hours per re	umber for th sponse, incl	nis information c uding the time for	collec or rev	viewing instructions, searching	OMB APPROVED 0579-0036			
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRAT		N NUMBER: 93-R-0593 er: 6002961				
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, USDA, include ZIP Code) Young Veterinary Research Services Inc 7243 East Ave Turlock, CA 95380 Telephone: 209-632-1919								ess, as registered with		
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
А.	В.	C. D. Number of animals E. Number of animals upon which teaching, F.								
Animals Covered By The Animal Welfare Regulations	Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	conducted accompany distress to and for wh anesthetic,	research, cond the a d involving d interp b the animals d interp hich appropriate surge c, analgesic, or ing drugs were d index d interp		beriments, research, surgery, or tests wer iducted involving accompanying pain or animals and for which the use of approp sthetic, analgesic, or tranquilizing drugs e adversely affected the procedures, res erpretation of the teaching, research, exp gery, or tests. (An explanation of the pro- ducing pain or distress on these animals sons such drugs were not used must be a a report.)	distress to priate would ults, or eriments, pcedures and the	TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	213	144	0		0			144		
5 Cats	181	26	0		0			26		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 30-Nov-2021

information unless it displays required to complete this info	According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.									
This report is required by law to cease and desist and to be			lations can r	esult in an order		Interagency Report Control No. 0180-DOA-AN]	Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 31-R-0123 Customer Number: 236						
ANNUAL RE	PORT OF RESE (TYPE OR PRINT		Y	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) YOUNGSTOWN STATE UNIVERSITY ONE UNIVERSITY PLAZA YOUNGSTOWN, OH 44555 Telephone: 3309412378						
REPORT OF ANIMALS US	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon whice teaching, r surgery, or conducted accompany distress to and for wh anesthetic,	tests were the animals and for which the use of ap		periments, research, surgery, or tests wer iducted involving accompanying pain or animals and for which the use of approg sthetic, analgesic, or tranquilizing drugs re adversely affected the procedures, resi repretation of the teaching, research, exp gery, or tests. (An explanation of the pro- ducing pain or distress on these animals sons such drugs were not used must be a	distress to oriate would ults, or eriments, ocedures and the	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0			0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0			0		
8 Rabbits	0	0	0		0			0		
9 Non-Human Primates	0	0	0		0			0		
10 Sheep	0	0	0		0			0		
11 Pigs	0	0	0		0			0		
12 Other Animals	0	0	0		0			0		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 10-Jan-2022

According to the Paperwork information unless it display required to complete this inf existing data sources, gather	о	OMB APPROVED 0579-0036							
This report is required by lav to cease and desist and to be			lations can r	esult in an order	Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021		
	DEPARTMENT OF A NT HEALTH INSPEC		MAL	REGISTRATION NUMBER: 93-R-0552 Customer Number: 329051					
ANNUAL RE	PORT OF RESE (TYPE OR PRINT	Υ	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Yuba College Dr. Kyle Mathis, Veterinary Technology Program c/o Yuba College MARYSVILLE, CA 95901 Telephone: 5307401740						
REPORT OF ANIMALS US	ED BY OR UNDER CONT	TROL OF RESEARCH FA	CILITY(A	ttach additional	sheets, if necessary, or use APHIS FORM	7023A.)			
A.	В.	С.		r of animals h experiments,	E. Number of animals upon which teaching experiments, research, surgery, or tests w		F.		
	Number of animals being	Number of animals upon which teaching, research,	teaching, re surgery, or	esearch, tests were	conducted involving accompanying pain the animals and for which the use of appr	or distress to opriate	TOTAL NUMBER OF		
Animals Covered By The Animal bred, conditioned, or held for use in teaching, conducted involving no acco			ying pain or	anesthetic, analgesic, or tranquilizing dru have adversely affected the procedures, re	esults, or	ANIMALS			
wenare Regulations	research, or surgery but not yet used for such purposes	pain, distress, or use of pain-relieving drugs.	and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		producing pain or distress on these anima	argery, or tests. (An explanation of the procedures roducing pain or distress on these animals and the asons such drugs were not used must be attached to			
4 Dogs	30	0	30		0		30		
5 Cats	15	0	15		0		15		
6 Guinea Pigs	0	0	0		0		0		
7 Hamsters	0	0	0		0		0		
8 Rabbits	0	0	0		0		0		
9 Non-Human Primates	0	0	0		0		0		
10 Sheep	1	1	0		0		1		
11 Pigs	0	0	0		0		0		
12 Other Animals	9	9	0		0		9		
Domestic Goat	1	1	0		0		1		
Llama	1	1	0		0		1		
Alpaca	1	1	0		0		1		
Domestic Horse	1	1	0		0		1		
Donkey / Burro / Ass	1	1	0		0		1		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Nov-2021

information unless it displays	quired to respond to, a collection of ollection is 0579-0036. The time reviewing instructions, searching nformation.	O	MB APPROVED 0579-0036				
This report is required by law to cease and desist and to be s			ations can re	esult in an order	Interagency Report Control No. 0180-DOA-AN	F	Fiscal Year: 2021
UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE				REGISTRATION NUMBER: 93-R-0552 Custoner Number: 329051			
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) Yuba College Dr. Kyle Mathis, Veterinary Technology Program c/o Yuba College br/> MARYSVILLE, CA 95901 Telephone: 5307401740			
REPORT OF ANIMALS US	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(At	tach additional	sheets, if necessary, or use APHIS FORM 70	923A.)	
Animals Covered By The AnimalNumber of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposesNumber of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.upon wh teaching, surgery, conduct distress t and for v anestheti tranquili			upon which teaching, re surgery, or conducted accompany distress to t and for whi anesthetic,	tests were involving ving pain or	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or test, (A a explanation of the procedures		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
Cattle / Cow / Ox / Watusi	4	4	0		0		4

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.
CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer (C.E.O.) or Legally Responsible
Institutional Official (LO.)) I certify that the above is true,
correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								OMB APPROVED 0579-0036	
This report is required by law (7 U.S.C. 2143). Failure to report according to the regulations can resul to cease and desist and to be subject to penalties as provided for in Section 2150.						Interagency Report Control No. 0180-DOA-AN Fiscal Year: 2021			
UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE				REGISTRATION NUMBER: 22-R-0155 Customer Number: 334734					
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) ZOETIS LLC 10 Sylvan Way PARSIPPANY, NJ 07054 Telephone:					
REPORT OF ANIMALS US	ED BY OR UNDER CONT	FROL OF RESEARCH FA	CILITY (A)	ttach additional s	shee	ts, if necessary, or use APHIS FORM 70	023A.)		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.			E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	1291	82		43		1416		
5 Cats	0	608	2		41		651		
6 Guinea Pigs	0	3104	13		2480		5597		
7 Hamsters	0	12455	1078		4049		17582		
8 Rabbits	0	3102	134		0		3236		
9 Non-Human Primates	0	0	0		0			0	
10 Sheep	0	4	0			0		4	
11 Pigs	0	0	0			0		0	
12 Other Animals	0	28	0		59			87	
Domestic Horse	0	28	0		59			87	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 18-Nov-2021

According to the Paperwork information unless it display required to complete this info existing data sources, gather	OMB APPROVED 0579-0036									
This report is required by law (7 U.S.C. 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150. Interagency Report Control No. 0180-DOA-AN							:	Fiscal Year: 2021		
UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE					REGISTRATION NUMBER: 93-R-0151 Customer Number: 1156					
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) ZOOLOGICAL SOCIETY OF SAN DIEGO P. O. BOX 120551 SAN DIEGO, CA 92112 Telephone: 6192311515						
	1					if necessary, or use APHIS FORM 7		Γ		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		experi- condu- the an anesth have a interp surger produ- reason	Number of animals upon which teaching, periments, research, surgery, or tests were noducted involving accompanying pain or distress to e animals and for which the use of appropriate testhetic, analgesic, or tranquilizing drugs would we adversely affected the procedures, results, or terpretation of the teaching, research, experiments, rrgery, or tests. (An explanation of the procedures oducing pain or distress on these animals and the asons such drugs were not used must be attached to is report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0	-		0		
5 Cats	0	0	0		0			0		
6 Guinea Pigs	0	0	0		0			0		
7 Hamsters	0	0	0		0		0			
8 Rabbits	0	0	0		0		0			
9 Non-Human Primates	0	0	0		0		0			
10 Sheep	0	0	0		0		0			
11 Pigs	0	0	0		0		0			
12 Other Animals	39	1739	61		0		1800			
African elephant	0	23	0		0			23		
Asian elephant	0	3	0		0			3		
Binturong	0	2	0		0			2		
Botta's pocket gopher	0	3	0		0			3		
Brush mouse	0	7	0		0			7		

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2.) Each principal investigator has considered alternatives to painful procedures.

3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 19-Nov-2021

According to the Paperwork l information unless it displays required to complete this info existing data sources, gatherin	0	MB APPROVED 0579-0036							
This report is required by law (7 U.S.C. 2143). Failure to report according to the regulations can to cease and desist and to be subject to penalties as provided for in Section 2150.					r Interagency Report Control No. 0180-DOA-AN		Fiscal Year: 2021		
UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE				REGISTRATION NUMBER: 93-R-0151 Custoner Number: 1156					
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) ZOOLOGICAL SOCIETY OF SAN DIEGO P. O. BOX 120551 SAN DIEGO, CA 92112 Telephone: 6192311515					
REPORT OF ANIMALS US	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(A	tach additional	sheet	ts, if necessary, or use APHIS FORM 7	023A.)		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, ro surgery, or conducted accompany distress to and for wh anesthetic,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
Bryant's woodrat	0	30	0		0	0		30	
Cactus mouse	0	123	0		0			123	
California mouse	0	14	0		0			14	
Cheetah	0	2	0		0			2	
Deer mouse	0	369	0	0				369	
Domestic Horse	0	0	40		0			40	
Polar bear	0	1	0		0		1		
Serval	0	2	0		0		2		
Tiger	3	3	0		0		3		
White rhinoceros	0	4	21		0			25	
Western harvest mouse	10	10	0	0				10	
Desert woodrat	0	2	0		0		2		
Desert kangaroo rat	17	225	0		0			225	
Little pocket mouse	9	268	0		0		268		
Merriam's kangaroo rat	0	178	0		0			178	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Exceutive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Obtained by Rise for Animals. Uploaded to Animal Research Laboratory Overview (ARLO) op 207/22/2022

Date Signed 19-Nov-2021

According to the Paperwork l information unless it displays required to complete this info existing data sources, gatherin	0	MB APPROVED 0579-0036					
This report is required by law (7 U.S.C. 2143). Failure to report according to the regulations can t to cease and desist and to be subject to penalties as provided for in Section 2150.				esult in an order Interagency Report Control No. 0180-DOA-AN Fiscal Year: 202			Fiscal Year: 2021
UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE				REGISTRATION NUMBER: 93-R-0151 Custoner Number: 1156			
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) ZOOLOGICAL SOCIETY OF SAN DIEGO P. O. BOX 120551 SAN DIEGO, CA 92112 Telephone: 6192311515			
REPORT OF ANIMALS US	ED BY OR UNDER CONT	ROL OF RESEARCH FA	CILITY(At	tach additional	sheets, if necessary, or use APHIS FORM 7	023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	upon which teaching, re surgery, or conducted accompany distress to t and for whi anesthetic,	tests were	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
California pocket mouse	0	470	0		0		470

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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Date Signed 19-Nov-2021

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.								OMB APPROVED 0579-0036	
This report is required by law (7 U.S.C. 2143). Failure to report according to the regulations can result to cease and desist and to be subject to penalties as provided for in Section 2150.						Interagency Report Control No. 0180-DOA-AN Fiscal Year: 2			
UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE				REGISTRATION NUMBER: 35-V-0004 Customer Number: 633					
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)					2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) ZVAMC/RESEARCH 5000 W NATIONAL AVE MILWAUKEE, WI 53295 Telephone: 4143842000				
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)									
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress on these animals and the reasons such drugs were not used must be attached to this report.)		F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)		
4 Dogs	0	0	0		0		0		
5 Cats	0	0	0		0		0		
6 Guinea Pigs	0	0	0		0		0		
7 Hamsters	0	0	0		0		0		
8 Rabbits	0	0	0		0		0		
9 Non-Human Primates	0	0	0		0		0		
10 Sheep	0	0	0		0			0	
11 Pigs	0	0	0		0			0	
12 Other Animals	0	0	8		0			8	
Domestic Goat	0	0	8		0			8	

1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

Date Signed 08-Nov-2021