it displays a valid OMB con collection is estimated to a	ntrol number. The valid OM		nation collection is	s 0579-0036.	The time required to o		OMB APPROVED 0579-0036	
This report is required by law (7 U.S.C. 2143). Failure to report according to the regulations can resu and to be subject to penalties as provided for in Section 2150.				in an order to	cease and desist	Interagency Report Control No. 0180-DOA-AN	Fiscal Year: 2019	
UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)				REGISTRATION NUMBER: 21-R-0082				
				Customer Number: 445				
				2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code) COLUMBIA UNIVERSITY				
				630 WEST 168TH ST BOX 64				
	(TIFE OK FRINT)				NEW YORK NEW YORK, NY 10032			
					Telephone: (212) 342-1142			
REPORT OF ANIMALS U	SED BY OR UNDER CONT	ROL OF RESEARCH FACILI	ΓΥ (Attach additic	onal sheets if i	necessary or use APH	IS FORM 7023A.)		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such 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 a upon which exp teaching, resea surgery, or test conducted invo accompanying distress to the a for which approx anesthetic, ana tranquilizing dru used.	beriments, arch, s were lving pain or animals and opriate Igesic, or	experiments, researc conducted involving to the animals and for anesthetic, analgesis have adversely affect interpretation of the experiments, surgen the procedures prod animals and the reas must be attached to	<i>i</i> , or tests. (An explanation of ucing pain or distress on these sons such drugs were not used	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)	
4 Dogs	0	0	19		0		19	
5 Cats	0	0	0		0		0	
6 Guinea Pigs	0	7	79		0		86	
7 Hamsters	0	0	0		0		0	
8 Rabbits	0	0	64		0		64	
9 Non-Human	14	39	170		0		209	

9 Non-Human Primates	14	39	170	0	209
10 Sheep	0	0	0	0	0
11 Pigs	0	0	202	0	202
12 Other Animals	0	0	549	0	549
Deer Mouse	0	0	500	0	500
Gerbil	0	0	49	0	49

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 (Chief Executive Officer (C.E.O.) or Legally Institutional Official (I.O.)) I certify that correct, and complete (7 U.S.C. Section 2	Responsible the above is true,	
			DATE SIGNED
			10-JAN-2020