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According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, 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 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: 2009

**UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE**

REGISTRATION NUMBER: 31-R-0014

Customer Number: 216

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code)

Ohio State University The
Office Of Responsible Research Practices
(b)(2)High, (b)(7)(f) 1960 Kenny Rd
Columbus, OH 43210

Telephone: (614) 292 0830

NOV 27 2009

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites) See Attached Listing

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such 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	1	300	0	301
5. Cats	0	0	73	0	73
6. Guinea Pigs	0	191	138	0	329
7. Hamsters	0	77	759	0	836
8. Rabbits	0	603	539	20	1162
9. Non-human Primates	20	0	7	0	7
10. Sheep	0	27	53	0	80
11. Pigs	0	98	824	0	922
12. Other Farm Animals					
13. Other Animals					
llama	0	0	1	0	1
alpaca	0	1	10	0	11
cotton rat	0	0	700	0	700

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 (L.R.O.))
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

DATE SIGNED

11/24/09

(b)(6), (b)(7)(c)

11/24/09

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Interagency Report Control
No. 0180-DOA-AN

Fiscal Year: 2009

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

CONTINUATION SHEET FOR ANNUAL
REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

REGISTRATION NUMBER: 31-R-0014

Customer Number: 216

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code)

Ohio State University The
Office Of Responsible Research Practices
(b)(2)High, (b)(7)f 960 Kenny Rd
Columbus, OH 43210

Telephone: (614) 282 0830

NOV 27 2009

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary.)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such 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)
12. other farm animals					
horses	0	79	151	0	230
cows	15	32	65	0	97
goats	0	8	0	0	8
13. other animals					
deer mice	0	0	299	22	321
opossums	0	18	0	0	18
voles	0	0	0	38	38

ASSURANCE STATEMENTS

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- Each principal investigator has considered alternatives to painful procedures.
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

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

(b)(6), (b)(7)c

DATE SIGNED

11/24/09

NOV 27 2009

APHIS Form 7023 Site Addendum for FY: 2009

Registration Number: 31-R-0014
Customer ID Number: 216

Facility Business Address Information:

Ohio State University The
Office Of Responsible Research Practices
(b)(2)High, (b)(7)f 1960 Kenny Rd
Columbus, OH 43210

Telephone: (614) 292 0830

Facilities Site(s) Address Information:

Site Code(s):

001
1960 Kenny Road
Columbus, OH 43210

Assigned Inspector: Clara Markin, D V M
003

(b)(2)High, (b)(7)f

Assigned Inspector: Clara Markin, D V M

Column E Explanation

NOV 27 2000

1. Registration Number: 31-R-0014/216
2. Species of animals used in the study: deer mice
3. Number of animals used in this study: 22
4. Explain the procedure producing pain and/or distress:

Deer mice undergo a punch biopsy under anesthesia to create two uniform full-thickness wounds in the dorso-rostral area of the back. Effects of social contact and restraint on rate of wound healing is assessed between the sexes of monogamous and polygynous species. Animals are restrained in a plexiglass tube for up to 2 hours per day for no more than 11 days.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results.

The goal is to determine whether positive social contact effects the rate of wound healing in both monogamous and polygynous mice. In order to test this hypothesis, a method of increasing blood levels of stress hormones is needed. Restraint was chosen as the stressor to use. Thus, it becomes an integral component of the experimental paradigm that can not be eliminated. In addition, post-wounding analgesia are not used since it may alter wound healing rates.

IACUC Approved Exception to standards and regulations under the Animal Welfare Act

Registration Number: 31-R-0014/216

NOV 27 2003

Approved by IACUC:

Sanitation Frequency §3.11 (b) 2: The committee has approved an extension for the frequency of sanitation of cages for cats from biweekly to every six months. The cats in the study are highly sensitive to various stressors and reducing the amount of cage changing helps to reduce the stress. Cages are cleaned as needed on gross observation of the cages between sanitation changes. The IACUC has approved the use of up to 88 cats on this protocol.

Column E Explanations (revised)

1. Registration Number: 31-R-0014/216
2. Species of animals used in the study: Voles
3. Number of animals used in this study: 38
4. Explain the procedure producing pain and/or distress:

The procedure possibly producing distress is injection of lipopolysaccharide. This agent at the doses administered induces a flu-like set of symptoms including hypophagia, fever, reduced locomotor activity and reduced grooming. Sickness behaviors last approximately 12 hours.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results.

The goal of the study is to determine if meadow voles reduce the amount of time they spend in proximity to an infected individual. Thus, sickness is an integral component of the experimental paradigm that cannot be eliminated. The sickness is only expected to last approximately 12 hours. Animals will be removed from the study if sickness persists for longer than 24 hours.

NP
2/23/2010

JAN 22 2010

Column E Explanations (revised)

1. Registration Number: 31-R-0014/216
2. Species of animals used in the study: Rabbits
3. Number of animals used in this study: 20
4. Explain the procedure producing pain and/or distress:

The goal of the study is to develop new treatment paradigms for osteomyelitis. Some antibacterial drugs being evaluated have potential side effects such as severe diarrhea or other forms of gastrointestinal disruption that may result in significant loss of weight and signs of lack of well-being.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results.

Supportive measures are used to minimize antibiotic side effects; however, significant weight loss (20%) is still observed. Since the treatment of bacterial osteomyelitis requires the use of antibiotics at relatively high levels and durations of treatment, the use of antibiotics in spite of side effects is scientifically justified if the gastrointestinal distress can be controlled via supportive therapy.

NP 2/23/2010