

UNITED STATES DEPARTMENT OF AGRICULTURE  
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. Certificate Number: 43-R-0011 Customer No: 1507

FORM APPROVED  
OMB NO. 0579-0036

**ANNUAL REPORT OF RESEARCH FACILITY  
(TYPE OR PRINT)**

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

ST LOUIS UNIVERSITY  
221 N. GRAND BOULEVARD, D B-106  
ST LOUIS, MO 63103  
(314) 977-8345

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 (8 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	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 in those animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO OF ANIMALS (Cols. C + D + E)
4. Dogs			105		105
5. Cats					
6. Guinea Pigs					
7. Hamsters		8	573		581
8. Rabbits			168		168
9. Non-human Primates					
10. Sheep					
11. Pigs			71		71
12. Other Farm Animals					
13 Other Animals					
Chinchillas			30		30
Dormice		149		8	157
Ferrets			2		2
Gerbils				3	3

**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 provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

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

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SIGNATURE: (b)(6), (b)(7)c

DATE SIGNED

11-24-08

APHIS

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## Column E Explanation

This form is intended as an aid to completing the Column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

1. Registration Number: 43-R-0011
2. Number of animals used in this study: 8
3. Species (common name) of animals used in the study: Dormice.
4. Explain the procedure producing pain and/or distress.

**The goal of this project is to evaluate dormice as a small animal model for susceptibility to infection with Taterpox virus in a search for an animal model that better mimics smallpox. Dormice were infected by various routes with graded doses of virus, and mortality and day of death were monitored.**

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. (For Federally mandated testing, see Item 6 below)

**The justification regarding the withholding of anesthetic, analgesic or tranquilizing drugs is based on the following:**

- a. **The study is attempting to elucidate the most fundamental pathogenesis of the disease being studied. Any drug used to mitigate possible pain and distress could alter the disease process, including clinical signs, which allow the researchers to assess the natural progression of the disease. Thus, the use of such drugs could adversely affect the outcome. Where possible we euthanize animals which appear moribund.**
  - b. **Protection from death is an important end point in all derivative studies and use of drugs could compromise the results.**
6. What, if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

**The studies are based on the best scientific design, not a specific federal regulation**

Agency \_\_\_\_\_ CFR \_\_\_\_\_

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1. Registration Number: 43-R-0011
  
2. Number of animals used in this study: 3
  
3. Species (common name) of animals used in the study: Gerbil.
  
4. Explain the procedure producing pain and/or distress.

**The goal of this project is to evaluate gerbils as a small animal model for susceptibility to infection with Taterpox virus in a search for an animal model that better mimics smallpox. Gerbils are infected by various routes with graded doses of virus, and mortality and day of death are monitored.**

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. (For Federally mandated testing, see Item 6 below)

**The justification regarding the withholding of anesthetic, analgesic or tranquilizing drugs is based on the following:**

- a. **The study is attempting to elucidate the most fundamental pathogenesis of the disease being studied. Any drug used to mitigate possible pain and distress could alter the disease process, including clinical signs, which allow the researchers to assess the natural progression of the disease. Thus, the use of such drugs could adversely affect the outcome. Where possible we euthanize animals which appear moribund.**
  
  - b. **Protection from death is an important end point in all derivative studies and use of drugs could compromise the results.**
6. What, if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

**The studies are based on the best scientific design, not a specific federal regulation**

Agency \_\_\_\_\_ CFR \_\_\_\_\_

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