

See attached form for additional information.

This report is required by law (7USC 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 21*

1. CERTIFICATE NUMBER: 43-R-0011

CUSTOMER NUMBER: 1507

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

Interagency Report Control No.:
0180-DOA-AN
FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

St Louis University
221 N. Grand Boulevard, D B-106
St Louis, MO 63103
Telephone: (314) 977-8345

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, 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 1

A. Animals Covered By The Animal Welfare Regulations	B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving	D. 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 who the use of appropriate anesthetic, analgesic, or tranquilize drugs would have adversely affected the procedures, rest or interpretation of the teaching, research.	F. TOTAL NUMBER OF ANIMALS (COLUMNS C+D+E)
4. Dogs		12	18		30
5. Cats			2		2
6. Guinea Pigs			58		58
7. Hamsters		20	1175		1195
8. Rabbits		8	145		153
9. Non-human Primates					
10. Sheep					
11. Pigs			31		31
12. Other Farm Animals					
13. Other Animals					
Ferret			2		2
Chinchilla			12		12
Dormice	168	145	59	229	433

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, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved Institutional Animal Care and Use Committee (IACUC). **A summary of all such exceptions is attached to this annual report.** In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, 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)

DEC - 4 2006

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

Signature / Type or Print

Date Signed:

11/22/06

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. 397 animals were used in this study. *279 were category E total*

3. African dormice were used in the study.

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 monkeypox virus, severity of disease, and efficiency of transmission. Dormice are infected by various routes with graded doses of monkeypox virus, and mortality and day of death are monitored. In addition, animals are sacrificed at various times following infection and a complete necropsy carried out. Tissues are examined for virus infectivity and antigen by plaques assay and immunocytochemistry, respectively. At the end of the experiment (~21 days post-infection) all animals will be bled, sacrificed, and necropsies carried out. We also examine the efficiency and duration of transmission of monkeypox in the species.

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 clarification regarding the withholding of anesthetic, analgesic or tranquilizing drugs is threefold:

- a. The science is attempting to elucidate the most fundamental pathogenesis of the disease being studied, as well as various therapeutic interventions. 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.
- b. The species being used as a model for these studies is unique, and the researchers have no data on doses or responses to drugs that might alleviate pain and distress.
- c. The data generated will be submitted to FDA and other federal agencies, and the use of drugs to alleviate pain and distress would 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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