

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

REGISTRATION NO. 63-R-0007
48845

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. Jude Children's Research Hospital
Animal Resources Center
(b)(2)High, (b)(7)(F)
MEMPHIS, TN 38105
(901) 495-3385

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)

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

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such 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 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					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits			63		63
9. Non-human Primates					
10. Sheep					
11. Pigs			13	26	39
12. Other Farm Animals					
13 Other Animals					
Cotton Rats		163	252		415
Ferrets	5		183	226	414

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.

HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Legally Responsible Institutional Official)
Name, title, and address (Type or Print)

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

NAME & TITLE OF CEO OR INSTITUTIONAL OFFICIAL (Type or Print)

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

DATE SIGNED

11/11/10

Addendum to the 2007-08 USDA Annual Report of the Research Facility

Active Projects during the Reporting Interval with Animal Care and Use Committee Approved Exceptions to the Regulations or Standards of the Animal Welfare Act

There are projects that the Institutional Animal Care and Use Committee has approved as exceptions to the Regulations or Standards of the Animal Welfare Act. These particular projects involve nonhuman primates that are exempted from social housing for a period of time for the following study purposes, but continue to receive other forms of environmental enrichment;

Two protocols utilize animals that are singly housed while wearing a jacket and tether system to support the long term maintenance of an intravenous catheter for supportive therapy. Animals are housed singly at a time when they are very susceptible to infections. Two other protocols utilize animals that are singly housed for collection of biological fluids at various time points and post-surgically following surgical laparotomy. Single housing is approved to prevent confounding experimental results and to allow for postsurgical recovery, respectively. All animals are able to see and interact with each other in an adjacent cage due to a special divider between the two cages. This divider between the cages is a panel with a combination of 1' square grid and solid panel. Animals are able to hide or remove themselves from direct sight of the adjacent animal if they so desire.

**Addendum to the 2007-2008 USDA Annual Report: Explanation of the Procedures
in Category E-Ferrets and Pigs**

Registration Number: 63-R-0007

Our institution is a collaborative center of the World Health Organization Laboratory (WHO) for influenza vaccine research and discovery. One protocol utilizes ferrets for which the experimental design involves studies to determine the pathogenicity of highly pathogenic influenza A viruses of the H5 and H7 subtypes. One protocol utilizes pigs to evaluate the efficacy of trial vaccines against highly pathogenic influenza A viruses. The clinical signs of disease in these species can range from pneumonia to central nervous system deficits that can be fatal for some animals on study. Analgesics are not utilized to alleviate pain or distress in these animals because of the potential to mask the effects of the virus, resulting in the inability to establish the pathogenic index which is essential for implementing policies regarding the eradication of influenza viruses with disease potential in animals and humans.

Ref:

Highly pathogenic avian influenza (fowl plague): Manual of standards for diagnostics tests and vaccines. Office International des Epizooties, Paris, France. pp123-129. 1992.

Manual of Diagnostic Tests and Vaccines for Terrestrial Animals: Avian Influenza, OIE World Organization for Animal Health, Chapter 2.7.12., www.oie.int.

**Addendum to the 2007-2008 USDA Annual Report: Explanation of the Procedures
in Category E-Cotton Rats**

Registration Number: 63-R-0007

One protocol utilizes cotton rats for which the experimental design involves studies to determine immunologic responses and to determine efficacy against Sendai virus-based vaccines against two common human respiratory viral pathogens. The clinical signs of disease in this species can range from weight-loss to overt respiratory distress. Analgesics are not utilized to alleviate pain or distress in these animals because of the potential to mask the effects of the viruses, resulting in the inability to establish the pathogenic index, which is essential for evaluating vaccine efficacy.