

NOV 29 1999

urinary retention.

In the event that animal care personnel identify animals that appear to be succumbing to infection (persistent maceration, progressive paralysis, paralysis of both hindlimbs, moribundity), the investigator performing the experiment is notified in order to collect fresh tissues and the animals are euthanized. The animals will be euthanized by the close of business on the day of investigator notification, unless an exception is approved by the facility veterinarian.

In accordance with animal health monitoring Standard Operating Procedures animal health observations will be conducted by veterinary personnel twice daily on week days and once daily on weekends and holidays. The institutional guideline, Endpoints in Animal Protocols, requires that animals showing signs of morbidity be observed twice daily 365 days a year unless an exception is granted by the IACUC. To assist investigators with compliance with the guideline, the following procedure is employed: If an animal shows signs of morbidity on a Friday afternoon (hunched, not eating, persistent or progressive ulceration and maceration), the veterinary staff will notify the investigator conducting the experiment on Friday afternoon in order to either make arrangements for the investigator to euthanize the animal and collect tissues by close of business Friday, or for the investigator to perform afternoon observations on the animal(s) on weekends and holidays. The names of personnel to do weekend/holiday monitoring will be clearly posted on the cage cards as Investigator 2.

Over the past year, thirteen animals experienced pain due to development of lesions warranting a score of 3 or 4 and/or distress due to hind limb paralysis. Based on this experience we do not expect that more than 30 animals will develop painful lesions during the coming year.

UNITED STATES DEPARTMENT OF AGRICULTURE  
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

14-F-009 14F0009

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)  
USDA Human Nutrition Research Center on Aging  
at Tufts University  
711 Washington St.  
Boston, MA 02111

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)

Comparative Biology & Medicine - Levels 3/4

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 these 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	-	39			39
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
mice	2658	4298	-	255	7211
rats	578	1122	-	40	1740
ferrets	-	-	24		24

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 USC Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED