

NOV 18 2005

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result in an order to cease and desist and to be subject to penalties as provided for in Section 211

additional information.

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 33-R-0113
CUSTOMER NUMBER: 707

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Southern Illinois University
School Of Medicine
P. O. Box 19620
Springfield, IL 62794

Telephone: (217)-545-3625

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)

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 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, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reason such drugs were not used must be attached to this report	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
1. Dogs					
2. Cats			4		4
3. Guinea Pigs					
4. Hamsters					
5. Rabbits			24		24
6. Non-human Primates					
7. Sheep					
8. Pigs			17		17
9. Other Farm Animals					
10. Other Animals					
Chinchillas			42	41	83

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, 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 an 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)

SIGNATURE: (b)(6), (6)(7)(C) or Print) (b)(6), (6)(7)(C) DATE SIGNED: 11-17-05

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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: 33-R-0113

2. Number 41 of animals used in this study.

3. Species (common name) Chinchillas of animals used in the study.

4. Explain the procedure producing pain and/or distress.

Animals will be subjected to noise exposure in a sound booth. The noise exposure sound will consist of a 6 hour duration octave band noise centered at 4kHz and will be generated by a TDT GNS 40X white noise generator. Each animal will be exposed to the noise at a level of 105 dB SPL for 6 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. (For Federally mandated testing, see Item 6 below)

The chinchillas will endure noise exposure. Sedation is possible, however there are adverse risks and effects of sedation. Sedation could change the oxidative state of the cochlea which we are studying. As well, we will be comparing our results to other studies that did not use sedation during noise exposure. We feel that the noise exposure is un;essant, but not so distressing as to warrant the risks associated with sedation. During the 6 hours of exposure, the sedation level of an animal and any side effects could not be monitored without violating the noise exposure environment and invalidating the study. Further we need to mimic the human model. Humans exposed to these noise levels, either occupationally or recreationally, are not given sedation.

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):

Agency _____ CFR _____

Not applicable.