

34 R0001

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USDA Registration Number 34-R-001

University of Michigan
c/o Unit for Laboratory Animal Medicine
1301 Catherine Street
Ann Arbor, MI 48109-0614

Sixty degus were used to study circadian rhythm properties. These animals were housed in conditions of constant light or darkness, in chambers that monitor the animals' temperature and activity level continuously. Housing these species under these conditions allows their free-running circadian rhythms to emerge for study, and has not resulted in any adverse effects to the animals.

The identification collars of nineteen dogs were hung on the outside of their cages instead of being worn by the animals. Each of these dogs had undergone a surgical procedure to the neck or had received an implant in the neck area. The identification collars were found to irritate the recovering surgical wound and implant sites.

Fifty-three postoperative sheep were housed for up to 24 hours in recovery cages that did not provide sufficient space to enable sheep to make normal postural and social adjustments with adequate freedom of movement. Each of these sheep had an artificial lung attached to its side that required movement of the sheep to be restricted to ensure that the device remained securely attached.

Surgical staples were not removed from 107 pigs for the duration of the 21-day postoperative recovery period immediately prior to euthanasia at the study endpoint. Institutional veterinary recommendations specify that surgical sutures and staples be removed 10-14 days postoperatively. However, these pigs would have required general anesthesia for staple removal, and the veterinary staff deemed the risks associated with 21-day staple retention to be less significant than those associated with general anesthesia. The veterinary staff evaluated the surgical wound sites of pigs on days 14 and 18 of the postoperative recovery period, and staples were removed if evidence of excessive local reaction was observed.

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 34-R-0004 34 R 0004

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)

17190 Polk Road
1301 Catherine Street
Stanwood, MI 49346
Status: Active

NOV 08 1999

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)

See Attached

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	93	452	NONE	NONE	452
5. Cats	36	NONE	NONE	NONE	NONE
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					

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