

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE  <b>ANNUAL REPORT OF RESEARCH FACILITY</b> ( TYPE OR PRINT )	1. CERTIFICATE NUMBER: 72-R-0003 CUSTOMER NUMBER: 1484	FORM APPROVED OMB NO. 0579-0036
Louisiana State University System Research Facilities 3810 West Lakeshore Drive Baton Rouge, LA 70808  Telephone: (225)-578-6118		

**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, res 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 )
4. Dogs	32	93	384	0	477
5. Cats	0	0	64	0	64
6. Guinea Pigs	0	0	4	0	4
7. Hamsters	57	91	190	0	281
8. Rabbits	11	31	593	0	624
9. Non-human Primates	0	0	37	0	37
10. Sheep	0	0	0	0	0
11. Pigs	0	0	10	0	10
12. Other Farm Animals	0	0	0	0	0
Goats	92	69	3	0	72
13. Other Animals	0	0	0	0	0
Gerbils	68	72	780	0	852
Horses	54	88	17	38	143
Bovine	20	10	2	0	12

**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 )

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DATE SIGNED
11-11-08

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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: 72-R-003

2. Number 38 of animals used in this study.

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

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

Protocol #07-069: Laminitis induced via carbohydrate administration.

Protocol #08-014: Laminitis induced via carbohydrate administration.

Protocol #06-064: Temporary Lameness induced to evaluate response to methadone therapy, by advancing two bolts against the side of the horses' hooves.

Protocol #06-081: Endotoxemia was induced to study innate immune response.

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)

Protocol #07-069: Since this study aims to evaluate the efficacy of doxycycline to inhibit specific enzymes associated with laminitis, an experimental model was needed that resulted in laminitis at which point horses were euthanized.

Protocol #08-014: Scientific justification same as for protocol #07-069 except antibiotic was oxytetracycline instead of doxycycline.

Protocol #06-064: The study aimed to evaluate the efficacy of pain relief by oral methadone treatment, an experimental model was needed to simulate naturally occurring hoof pain.

Protocol #06-081: Horses receiving low doses of endotoxin develop mild pain. Administration of non-steroidal anti-inflammatory drugs would alter the innate immune response and compromise the study objectives.

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):

**N/A**

Agency None CFR

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