

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)	1. CERTIFICATE NUMBER: 31-R-0011 CUSTOMER NUMBER: 210	FORM APPROVED OMB NO. 0579-0036
Childrens Hospital Medical Center Childrens Hosp Research Found 3333 Burnet Avenue Cincinnati, OH 45229 Telephone: (513) -636-4441		

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 ye 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 an 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 wh the use of appropriate anesthetic, analgesic, or tranquiliz 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 reas such drugs were not used must be attached to this report	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs	160	5	226	147	378
7. Hamsters					
8. Rabbits	116	54	100		154
9. Non-human Primates	4		4		4
10. Sheep			34		34
11. Pigs			36		36
12. Other Farm Animals					
13. Other Animals					
Ferrets			2		2
Cats			16		16

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 rese 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 ap 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 inc 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 OF C.E.O. OR INSTITUTIONAL OFFICIAL <i>[Signature]</i>	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) (b)(6), (b)(7)(c)	DATE SIGNED 11/24/08
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MP

Column E Explanation Form

1. Registration Number: 31-R-0011
2. Number 147 of animals used in this study.
3. Species (common name) GUINEA PIG of animals used in this study.
(each specie requires a form)

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

INFECTION WITH HERPES SIMPLEX VIRUS (HSV) CAN RESULT IN PARALYSIS IN RARE INSTANCES

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 question 6 below)

THESE ANIMALS ARE USED TO STUDY THE PATHOGENESIS OF HERPES SIMPLEX VIRUS (HSV). THIS VIRUS IS NEUROTROPIC AND RESIDES IN NEURONS. THEREFORE, ANALGESICS/ANESTHETICS CAN NOT BE USED DUE TO THEIR POTENTIAL EFFECT ON THE NEURONAL ELEMENT AND DISRUPTION OF NORMAL VIRUS PATHOGENESIS. THE INFECTION RARELY CAUSES DISCOMFORT BUT INDUCE REAL LEG PARALYSIS THAT CAN LAST UP TO 72 HOURS. DURING THE PARALYSIS PERIOD, THE BLADDER IS EXPRESSED TWICE DAILY, AND THE ANIMALS CHECKED AT LEAST TWICE DAILY. ANIMALS THAT DO NOT RECOVER IN 72 HOURS ARE PROMPTLY EUTHANIZED WITH CO2. PARALYSIS IS A RARE OCCURRENCE. THE PROTOCOL IS USED TO EVALUATE NOVEL THERAPEUTIC AND VACCINE STRATEGIES, SOME OF WHICH HAVE ALREADY PROGRESSED TO HUMAN CLINICAL TRIALS AS A RESULT OF THESE STUDIES.

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 _____

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

Signature