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OMB APPROVED
0579-0036

This report is required by law (7 U.S.C. 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

Interagency Report Control
No. 0180-DOA-AN

Fiscal Year: 2010

**UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE**

REGISTRATION NUMBER: 93-R-0016

Customer Number: 1189
2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include ZIP Code)

Los Angeles Biomedical Research Institute
1124 West Carson Street
Torrance, CA 90502
Telephone: (310) 222 3601

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

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 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 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 on these animals and the reasons such drugs were not used must be attached to this report.)	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4. Dogs		39	20		59
5. Cats					
6. Guinea Pigs			11		11
7. Hamsters			44		44
8. Rabbits			679		679
9. Non-human Primates					
10. Sheep			36		36
11. Pigs			91		91
12. Other Farm Animals					
13. Other Animals					

ASSURANCE STATEMENTS

- 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.
- Each principal investigator has considered alternatives to painful procedures.
- 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.
- The attending veterinarian for this research facility has appropriate authority to ensure the provisions 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 (C.E.O.) or Legally Responsible Institutional Official (L.O.))

SIGNATURE: (b)(6), (b)(7)c

DATE SIGNED: 11/8/10



Facility Locations

(b)(2)High, (b)(7)f

Approved Variances to Regulations

There were two variances issued by our IACUC on October 15, 2009, and December 17, 2009, to be able to house sheep in stainless steel metabolic cages with floor space that is smaller than what is recommended in the NIH Guide for the Care and Use of Laboratory Animals. The metabolic sheep cages have a floor of 11 ft. which is not consistent with NIH recommendations that sheep weighing 50 kg. or less should be housed in floor space of 15 ft. To ensure a safe and clean environment for proper catheter maintenance, sheep need to be placed in metabolic cages. The animals used in their studies on average 45-52 kg., and function well in metabolic cages as long as their stay is limited to short periods of time. For studies that require prolonged study participation, animals will not be housed in metabolic cages. All long-term studies will utilize the 15 ft. ground level cages provided by the BRC department.

Note: During this reporting period (10/1/09 through 9/30/10), no sheep were housed under the above noted variances.

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

LABioMed at Harbor-UCLA Medical Center

<p>UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE</p> <p>ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)</p>	<p>1. CERTIFICATE NUMBER: 93-R-0435 CUSTOMER NUMBER: 9194</p>	<p>FORM APPROVED OMB NO. 05 19-0036</p>
<p>University Of California, Los Angeles 924 Westwood Blvd., Suite 1050 Los Angeles, CA 90024</p> <p>Telephone: (310)-794-2575</p>		

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 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 reason such drugs were not used must be attached to this report)	F. TOTAL NUMBER OF ANIMALS (COLUMN C + D + E)
4 Dogs	2	0	15	0	15
5 Cats	0	4	0	0	4
6 Guinea Pigs	5	45	36	20	101
7 Hamsters	0	0	0	0	0
8 Rabbits	8	347	132	0	479
9 Non-human Primates	1	0	48	0	48
10 Sheep	0	0	0	0	0
11 Pigs	4	0	167	0	167
12 Other Farm Animals					
CHINCHILLAS	0	14	3	0	17
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 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.

<p>CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)</p>		
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	(NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL) (Type or Print)	DATE SIGNED
	(b)(6), (b)(7)(c)	11/11/93

FY 2010 APHIS Form 7023 COLUMN (E) EXPLANATION

1. **Registration Number:** 93-R-0435/9194

2. **Species:** Guinea Pigs

3. **Number of Animals:** 20

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

(a) Vaccination for tuberculosis (TB) and (b) exposure to the TB organism (bacteria). The vaccine is given on one or more occasions to each guinea pig into the skin (intradermal), into the muscle (intramuscular), or under the skin (subcutaneous). At various times after vaccination, the guinea pigs are skin-tested to evaluate their immune response to the vaccine. This procedure is identical to the skin test normally performed on people ("TB testing"). Guinea pigs are later exposed (challenged) to an aerosol containing the TB organism. This exposure itself (inhalation) is not painful or distressful to the animals. One potentially painful event would be if a guinea pig developed a skin sore as a result of the vaccination or the skin test, as it occasionally happens in BCG-vaccinated people. During the past year, we have observed one such event, which the veterinarian treated successfully with topical analgesics (painkillers). Another instance that may potentially cause pain or distress is if the infection affects the membrane surrounding the lungs (pleura). As the disease progresses, the infected guinea pigs lose their appetite and also lose weight. Animals are weighed daily to monitor progression of the disease, and they are immediately euthanized if they lose more than 10% of their initial body weight or of clinically warranted in the opinion of the attending veterinarian.

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:**

The only interventions that could possibly relieve any discomfort from TB would be the use of anti-tuberculosis antibiotics or the administration of general painkillers. Treating the animals with antibiotics would defeat the purpose of the experiment, which is to assess the efficacy of a vaccine. General painkillers such as opiates (morphine-like) or NSAID (such as Advil or Celebrex) markedly affect the inflammatory and immune responses invalidating the experimental results. If skin sores were noticed, a rare occurrence, the veterinarian would relieve the guinea pig's condition with a topical or local painkiller, such as novocaine.