



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



Instructions

Checklist

Submit Form 7023

FY2008 APHIS FORM 7023 Submission

This report is required by law (7 USC 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.

See below for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. **Registration No:**
93-R-0432 / 9191

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):
UNIVERSITY OF CALIFORNIA, BERKELEY
119 CALIFORNIA HALL
BERKELEY, CA 94720-1500
T: (510) 642-7540

3. **Reporting Facility** (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Please verify that all Sites are listed below. To list additional Sites, select the link below.)

FACILITY LOCATIONS (sites) List Additional Sites

3a

(b)(2)High, (b)(7)(F)

3b.

3c.

3d.

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY View Column Definitions

A	B	C	D	E	F
4. Dogs	0	0	0	0	0
5. Cats	0	0	18	0	18
6. Guinea Pigs	0	4	54	0	58
7. Hamsters	0	287	471	0	758
8. Rabbits	0	12	196	0	208
9. Non-Human Primates	0	0	19	0	19
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0

Use APHIS Form 7023A

12. Other Farm Animals

13. Other Animals

APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete) (AUG 91)

NOV 10 2008 ✓

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Submit APHIS Form 7023 and Continue to APHIS Form 7023A



**UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE
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REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY View Column Definitions

A	B	C	D	E	F
13. Other Animals Hyena	0	0	29	0	0
13. Other Animals Squirrels	0	0	20	0	0
13. Other Animals Tuco Tuco	0	0	87	0	0
13. Other Animals Voles	0	75	68	0	0
13. Other Animals Wild. Mouse	0	61	84	0	0
13. Other Animals Wild, Rat	0	95	111	0	0
Select One					0
Select One					0
Select One					0
Select One					0

APHIS FORM 7023A (Replaces VS FORM 18-23 (OCT 88), which is obsolete) (AUG 91)

NOV 10 2008

- Submit APHIS Form 7023A**
- Submit APHIS Form 7023A and Continue to another APHIS Form 7023A**



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



FY2008 APHIS Form 7023 Submission Assurance Statements and Signature Submission

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY		
Registration No:	93-R-0432 / 9191	
Headquarters Research Facility:	UNIVERSITY OF CALIFORNIA, BERKELEY 119 CALIFORNIA HALL BERKELEY, CA 94720-1500 T: (510) 642-7540	
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 the 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 U.S.C. Section 2143)		
Signature of C.E.O. or Institutional Official	Name & Title of C.E.O. or Institutional Official	Date Signed:
_____ (b)(6),(b)(7)(c)	_____	11/18/2008

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93R0432
9191

**Supplement to the USDA Annual Report of Research Facility
For the University of California, Berkeley
APHIS FORM 7023 (AUG 91)**

Reporting Period October 1, 2007 to September 30, 2008

Section 3 of the Annual Report of Research Facility (APHIS FORM 7023) (Section 2.36(b)(4) of the Animal Welfare Act): Location of Facilities for Housing, Teaching and Research:

The following facilities are categorized by their dedicated usage. All facilities have more than one usage.

Facility	Housing	Research	Teaching
(b)(2)High, (b)(7)f	√	√	√
	√	√	√
	√	√	
	√	√	√
	√	√	√

Part 3 of the Assurance Statement of APHIS Form 7023 (AUG 91) (Section 2.36 (b)(3) of the Animal Welfare Act): IACUC Approved Exceptions to Standards and/or Regulations

Approved exceptions to standards and regulations of the Act during the reporting period included the following:

Multiple Major Operative Procedures

The IACUC will not permit multiple major operative procedures on a single animal unless the procedures are related and necessary components of a research project. During this reporting period, IACUC-approved multiple major operative procedures were performed on five macaques and ninety-nine hamsters.

Restraint Devices

Prolonged physical restraint of alert animals is prohibited unless essential to research objectives. All such restraint must be justified to and approved by the IACUC. In addition, the restraint device must be evaluated and approved by OLAC veterinary staff prior to use. The IACUC approved one project studying the transmission of Lyme disease in which wild-caught rodents are partially immobilized in tubular wire-mesh cages for 12 to 16 hours to allow ticks to attach to them. Feasibility studies demonstrated that 12 hours is the minimum period required for effective tick attachment and disease transmission. Animals can move backward and forward, turn around and partially groom themselves, but side-to-side motions are restricted to prevent them from removing the ticks. Carrot or potato slices are placed in the cages to provide a source of food and moisture. During this reporting period, seven mice not bred for use in research and eight rats not bred for use in research were immobilized in these disease transmission studies.

Primary Enclosure Standards

During this reporting period, the IACUC approved exceptions to the primary enclosure standards for 205 dwarf hamsters. Variances from the USDA have been granted for these exceptions.

Heating Standards

The IACUC approved two projects studying hibernation and torpor where Siberian hamsters are housed in specially constructed, walk-in environmental chambers for up to 5 months at temperatures ranging from 5-21° C (41-70° F). Hamsters do well under these conditions; in their natural habitat ambient temperatures are frequently as low as -50 °C. During this reporting period, 80 hamsters were housed under the IACUC-approved exception to the heating standards.

Watering Standards

During this reporting period, the IACUC approved an exception to the watering standards for ten macaques.

Feeding Standards

In the two IACUC-approved projects studying hibernation and torpor, Siberian hamsters may be fasted for 24-48 hours, in order to induce spontaneous torpor. Durations of fasting of this length are well tolerated by Siberian hamsters. During this reporting period, four hamsters were fasted for 24 hours.

Authorized Signature:

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