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UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 95-R-0003
CUSTOMER NUMBER: 18

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

The Queen's Medical Center

Queen'S Medical Center
1301 Punchbowl Street
Honolulu, HI 96813

Telephone: (808) -538-9011

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 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 reesc 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					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
					0

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 apr 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 in 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 Research Facility Official)

DATE SIGNED

10/22/02

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UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 95-R-0002
CUSTOMER NUMBER: 19

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

University Of Hawaii At Manoa
Office Of The Chancellor
Bachman Hall, 2444 Dole Street Room 105
Honolulu, HI 96822

Telephone: (808)-956-7651

OK'D by KM 12/23/02 MHT

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 Refer to Page 2

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 reser such drugs were not used must be attached to this report)	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	1	0	0	1
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	174	18	90	282
8. Rabbits	1	36	7	0	43
9. Non-human Primates	23	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals					
False Killer Whale	0	1	0	0	1
Dolphins	0	5	0	0	5
Monk Seals	0	2	0	0	2

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 reser 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 app 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 in 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

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10/22/02

Office Of The
Chancellor
Bachman Hall, 2444
Dole Street
(Many Buildings)
Honolulu, HI 96822
County: Honolulu

Telephone
(808) 956-6635

All redactions on this page are pursuant to (b)(6) & (b)(7)(c).

ANNUAL REPORT OF RESEARCH FACILITY - 2001-2002

Reporting Facility (This listing represents all locations where animals were housed or used in actual research, testing, teaching, or experimentation or held for these purposes.)

For the Reporting Period - **October 1, 2001 to September 30, 2002** the following locations (facilities and laboratories) were used by Registrant **95-R-0002**.

U of HI - Biomedical Sciences Building:
1960 East-West Road
Honolulu, HI 96822
County of Honolulu



U of HI - Snyder Hall 5th Floor
2538 McCarthy Mall
Honolulu, HI 96822
County of Honolulu



U of HI - Auxillary Services Building
1951 East-West Road
Honolulu, HI 96822
County of Honolulu



U of HI - Institute for Biogenesis Research
1960 East-West Road
Honolulu, HI 96822
County of Honolulu



U of HI - Bekesy Laboratory of Neurobiology
1993 East-West Road
Honolulu, HI 96822
County of Honolulu



U of HI - Kewalo Basin Dolphin Research Laboratory
1129 Ala Moana Blvd.
Honolulu, HI 96814
County of Honolulu



U of HI - Woodlawn Small Animal Facility
2721 Woodlawn Drive
Honolulu, HI 96822
County of Honolulu



U of HI - Marine Mammal Research Program
Hawaii Institute of Marine Biology
Coconut Island, P.O. Box 116
Honolulu, HI 96734
County of Honolulu



U of HI - Waikiki Aquarium
2777 Kalakaua Ave.
Honolulu, HI 96815
County of Honolulu



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: 95-R-0002 (Customer # 19)

2. Species (common name) and number of animals used in this study Golden Syrian Hamsters
(list all that apply for this explanation). If you used the same species in more than one procedure, list each procedure and the number of animals used in that procedure in Item 3.

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

Ninety (90) Golden Syrian Hamsters were used by one University of Hawaii (UH) Principal Investigator (PI) in a study entitled "*Effects of Novel Anti-Depressant Compounds in the Visible Burrow System.*" The PI's research investigates the effects of treatment with novel antidepressant compounds on chronic social stress and the behavioral and brain systems involved in defense and depression.

The PI explained that in this particular study, 90 hamsters were used in August 2002 were tested for levels of aggression in a Resident-Intruder paradigm. The model involves transient pain/distress to both the resident and intruder. The PI explained that hamsters are an ideal animal model because these animals are the most frequently utilized species in studying vasopressin and aggression, therefore, the species behavioral profile in agonistic encounters is well documented.

The test involves placing a small male hamster (the intruder) into the home cage of another, larger male (the resident). The intruders typically weigh 20-30 grams less than the resident. Since hamsters, like many rodent species, are territorial, the resident will attempt to defend its home cage (i.e., "territory"). A CRF (Corticosteroid Releasing Factor) antagonist is administered to the resident animals and the agent effects on aggressive behavior is assessed. The PI proposed to test three compounds during the course of the project, SSR 149415 (a vasopressin antagonist), SSR 125543 (CRF antagonist) and fluoxetine (positive control)

The resident/intruder pairing last no more than a maximum of 15 minutes, but is terminated earlier if an animal subject incurs four bites before the end of the test.

4. 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 5 below)

The PI's scientific justification of withholding analgesics or pain relieving drugs are that analgesics will disrupt the natural behavioral patterns of the animals, as well as interfere with the test agents; therefore, the administration of pain and/or distress relieving drugs is not possible. The physical conditions of the animals are closely monitored during the test procedures, and in the situation where there is wounding (most likely the intruder), the animals are then treated with antibiotics/analgesics and the animal care facility personnel are notified.

5. 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):

Not Applicable

Agency _____ CFR _____