

NOV 27 2002

This report is required by law (7 USC 2143). Failure to report according to the regulations can...

See attached form for additional information

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 58-R-0003

FORM APPROVED
OMB NO. 0579-0036

CUSTOMER NUMBER: 859

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

University Of Florida
University Of Florida
P.O. Box 115500
Gainesville, FL 32611

Telephone: (352) -392-9271

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 | 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, a | 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 reasons such drugs were not used must be attached to | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|--|---|---|--|--|--|
| 4. Dogs | 0 | 31 | 103 | | 134 |
| 5. Cats | 0 | 77 | 332 | | 409 |
| 6. Guinea Pigs | 0 | 138 | 130 | | 268 |
| 7. Hamsters | | | | | |
| 8. Rabbits | 0 | 19 | 285 | 28 | 332 |
| 9. Non-human Primate | | | | | |
| 10. Sheep | 0 | | 102 | | 102 |
| 11. Pigs | 0 | 16 | 110 | | 126 |
| 12. Other Farm Animals | | | | | |
| Goat | 0 | | 5 | 10 | 15 |
| 13. Other Animals | | | | | |
| opossum | 0 | 15 | | | 15 |
| ferrets | 0 | | 24 | | 24 |
| gerbil | 0 | 2 | | | 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 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 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

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE

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

DATE SIGNED

11/27/02

EG 12/2/02

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: 58-R-0003

2. Number 10 of animals used in this study.

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

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

See attached

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)

See attached

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 _____

Registration number - 58-R-0003, Customer number 859

Species - Goat

Item 4.

Goat kids are screened by culture of the nasal passage and oral cavity to confirm their mycoplasma free status. Prior to infecting with Mycoplasma, body temperature, weight and condition scores are obtained and joints (carpal, tarsal, and stifle) are measured by calipers. A small sample of blood (< 3 ml) is drawn from the jugular vein for blood chemistry profiles, cell count, culture, and baseline serology. All animals receive a complete physical examination daily by a veterinarian. Daily parameters to be measured include temperature, pulse, respiration, auscultation of the chest, joint parameters, feed consumption (feed to be measured by animal resource technician), and observation of behavior. Animals will be observed an additional two times during the 24 hr period for problems.

On Day 8, the goats (N=5 per group) are given (either willingly nursed from a bottle or syringe fed) 100 ml of sterile goat replacement milk containing 1×10^7 CFU of *Mycoplasma mycoides* subsp. *mycoides* GM12 that has the active enzyme, a mutant of *Mycoplasma mycoides* subsp. *mycoides* GM12 that no longer makes the enzyme, and sterile milk with sterile growth media as a control. Oral ingestion is a more natural route of infection and less traumatic than intravenous or intraperitoneal routes.

Item 5.

Based on previous studies with the wild type in immunodeficient (colostrum deprived) newborn goat kids, the first evidence of clinical disease (pyrexia = fever) in our normal older goats might appear within 5 days of inoculation. Following infection, goats are monitored at a minimum of every 8 hrs for clinical signs of disease (pyrexia, abnormal respiration, signs of lameness or joint inflammation, lethargy). Daily physical exams including temperature, pulse, respiration, auscultation of the chest, joint examination, observation of behavior and feed consumption are conducted by a veterinarian.

Once any clinical signs are noticed, including pyrexia, joint swelling, joint heat, inappetance, abnormal auscultation of chest, mycoplasmaemia, or a positive nasal culture, monitoring will be increased to every 3 hours. If a deterioration in clinical signs is noted or expected, then the goat will be monitored every hour or continuously until a euthanasia criterion (Table 1) is met, which will be followed by immediate euthanasia. We will have a veterinarian in charge of the study. We have obtained assistance from a minimum of three additional veterinarians not directly associated with the study but who have expertise in large animal medicine. Any animal that these veterinarians deem needs euthanasia will be immediately given an overdose of barbiturates, regardless of whether the criteria for euthanasia have been met.

Table 1. Euthanasia criteria of infected goats.

| Clinical parameter | criterion |
|--------------------|-----------|
|--------------------|-----------|

| | |
|-------------------------------|--|
| Pyrexia (N = 101.5 - 104 °F) | If greater than or equal to 106 °F for 3 hours |
| Respiration (N = 20 - 40/min) | Any dyspnea with tachypnea > 120 (non-excited) |
| Lameness | If precludes normal movement to eat or drink |
| Depression or lethargy | If precludes normal drinking or eating |
| Mycoplasmaemia | If 10 ⁷ CFU/ml |
| Suffering | Deemed suffering by study veterinarians |

N = normal; min = minute; CFU/mL = colony forming units per milliliter.

At day 10 PI, all kids will be euthanized by an IV overdose of barbiturates and complete necropsies will be performed.

Unfortunately, a major component of the natural disease is the host immune response. Analgesics and anti-inflammatory agents would actually interfere in the natural progression of the disease (arthritis and pneumonia) and mask the development of clinical lesions so that we could not adequately evaluate the effect of infection. However, we do not wish to prolong discomfort; therefore we have shortened the length of exposure to 10 days rather than the more common 14-21 day experiments previously described for experimental infections with this bacteria in immunodeficient (colostrum deprived) newborn goat kids. We have based this shorter study on published reports that showed joint changes after 7 days. It is important to note that previous experiments with this bacteria were in immunodeficient (colostrum deprived) newborn goat kids. We do not expect the severity of clinical signs in our study using normal older goat kids to progress at the same rate as previous studies using immunodeficient newborn goat kids. Note that this is not a duplication of previous experiments since we are testing the role of the protease enzyme in the disease and we are using normal older goat kids.

Special Use:

Column E Explanation

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1. Registration Number: 58-R-0003

2. Number 28 of animals used in this study.

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

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

see attached

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)

see attached

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 _____

Registration number -58-R-0003, Customer number 859

Species - Rabbits

Item 4.

Rabbits are infected with poxviruses in which a specific protein (thought to interact with the immune system of the animal) has been deleted. Differences in the course of the infections gives insight into the function of the viral protein. New Zealand White rabbits are infected by injection of virus into the skin. This procedure is noninvasive and causes no more discomfort than taking a venous blood sample. A blood sample will also be taken at this time. The rabbits will be closely observed throughout the experiment.

Item 5.

Rabbits: Intradermal administration of the virus will produce both a primary lesion at the site of administration, as well as systemic disease. The skin lesions are not treated. Death from the viral infection is usually a direct result of respiratory failure, and occurs between days 8 and 14. The animals are monitored daily for the first eight days, and body weights are measured. After the first eight days, the animals are monitored three times between the hours of 8 am and 8 pm and once at night (approximately every 6 hours) up to day 14. Animals are euthanized when evidence of respiratory distress is present. Respiratory and heart rate are evaluated by the veterinarian. A physical exam (including core temperature, and examination of all major organ systems) is performed daily, and the size of the primary lesions are measured. If any animal has frank lung sounds, a markedly reduced respiratory rate, or if open mouth breathing is present, the animal is euthanized.

Analgesics are not indicated in these studies because of their affects on the inflammatory and immune responses being evaluated. Analgesic agents can significantly alter inflammatory processes. Since we measure chemokine and cytokine levels, we cannot alter inflammatory processes in these animals.

Reporting Facility

University of Florida
PO Box 100006
Campus
Gainesville, FL 32610
(352) 392-2978

- 1. Health Sciences Center (Communicore Bldg, Shands, Medical Sciences Center, Academic Research Bldg) – Animal Care Services**
- 2. 34th Street Farm – Animal Care Services**
- 3. Animal Research Facility (ARF) on Mowrey Road Animal Care Services**
- 4. Brain Institute – Animal Care Services**
- 5. College of Veterinary Medicine – Metabolic Building**
- 6. College of Liberal Arts & Sciences – Psychology Building**
- 7. Whitney Marina Lab, St. Augustine, FL**
- 8. University of Florida, Bldg. 628, Physiology Barn**
- 9. University of Florida, Surgery Suite, Bldg. 459, rooms 137 and 137 A-C.**

| | | |
|---|--|--|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 58-R-0007 CUSTOMER NUMBER: 872 | FORM APPROVED OMB NO. 0579-0036 <div style="text-align: right; font-size: 2em; font-family: cursive;"> CR </div> |
| University Of Miami University Of Miami School Of Medicine P.O. Box 016960 Miami, FL 33101 | | NOV 26 2002 |

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

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|--|---|---|--|--|--|
| 4. Dogs | 12 | | 32 | | 32 |
| 5. Cats | 14 | 2 | 6 | | 8 |
| 6. Guinea Pigs | | | | 44 | 44 |
| 7. Hamsters | | 10 | | 2 | 12 |
| 8. Rabbits | 42 | 25 | 217 | 54 | 296 |
| 9. Non-human Primate | 159 | 20 | 5 | | 25 |
| 10. Sheep | | | | | |
| 11. Pigs | 20 | 3 | 842 | | 845 |
| 12. Other Farm Animals | | | | | |
| Goats | | | 25 | | 25 |
| 13. Other Animals | | | | | |
| Wild Lizards | | 77 | | | 77 |
| Wild Birds | | 55 | 63 | | 118 |
| Wild Fish | | 3,391 | 16 | 48 | 3,455 |

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- 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

| | | |
|---|--|-------------------------|
| CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) | | |
| SIC | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print | DATE SIGNED 11/25/02 |

EG
 12/3/02

ATTACHMENT 1 – Facility Locations

University of Miami animal housing facilities:

Contact person for all facilities:

Rosentstiel Medical Science Building

1600 NW 10 Avenue
Miami, FL 33136

R. Bunn Gautier Building

1011 NW 15 Street
Miami, FL 33136

Diabetes Research Institute

1450 NW 10 Avenue
Miami, FL 33136

Parkinson Foundation Building

1501 NW 9 Avenue
Miami, FL 33136

Bascom Palmer Eye Institute

900 NW 17 Street
Miami, FL 33136

Rosentstiel School of Marine & Atmospheric Science

4600 Rickenbacker Causeway
Key Biscayne, FL 33149-1098

South Campus

12500 SW 152 ST
Miami, FL 33177

Perrine Primate Center

15657 SW 127 Avenue
Perrine, FL 33177

Behavioral Medicine Research Building

Department of Psychology
1251 Stanford Drive
Coral Gables, FL 33146

Cox Science Bldg. (182)

1301 Memorial Drive
Coral Gables, FL 33124

Lois Pope Life Center (LPLC)

1095 NW 14th Terrace
Miami, FL 33136

Batchelor Children's Research Institute

1580 NW 10 Avenue
Miami, FL 33136

ATTACHMENT 2

PROTOCOLS REQUIRING SPECIAL EXEMPTION FROM RECOMMENDED POLICIES OR GUIDELINES

IACUC reviewed, discussed and approved the following exemptions from USDA Policy.

1. Protocol 98-037 - Exemption granted for extended restraint and for housing in Plexiglas enclosures to deliver extended periods of hyperemia to piglets.
2. Protocol 99-144, 99-145 - Granted an exemption for not using analgesia in Guinea Pigs exposed to 109db noise. Also granted exemption for prolonged restraint of conscious animals.
3. Protocol 00-020 - Granted an exemption for not using analgesia in Rabbits for antibody production with Freund's adjuvant.
4. Protocol 98-135 - Granted exemption for not pair housing NHP with HIV, due to safety precautions for DVR personnel.
5. Protocol #00-173 - Exemption granted for Multiple Survival Surgery and for unrelieved social stress.
6. Protocol #01-078 - Granted an exemption for not using analgesia in Hamsters and Rabbits for antibody production with Freund's adjuvant. The ACUC reviewed, discussed and approved the following exemptions from USDA Policy.
7. Protocol #01-073 - Exemption granted for NHP for IV injection and subsequent hydration for 2-12 hours. Animals are observed continuously and provided additional environmental enrichment while restrained.
8. On 5-2-02 the IACUC approved a housing exemption to permit the occasional housing of dogs and pigs in the same kennel facilities at the South Campus site. The issues were discussed at length with the veterinarian at the South Campus facilities and the IACUC was satisfied that the housing arrangement proposed no threat of undo stress or distress to either the pigs or the dogs. Thus the exemption from the Guide was granted.
9. Protocol #02-100 - Exemption granted for rabbit restraint for venapuncture for 5 minutes. Animals are observed continuously while restrained.
10. Protocol #02-120 - Exemption granted for rabbit restraint in Plexiglas enclosures for 1 hour daily. Animals are observed continuously while restrained.

11. **Exemptions for MULTIPLE SURVIVAL SURGERY PROCEDURES were reviewed, discussed and approved by the IACUC for the following protocols involving a PIG model of skin injury.**
 - 99-138: ENTITLED: Evaluation and comparison of two chemical peels in a porcine model
 - 00-028: ENTITLED: Pressure induce alopecia in a swine model
 - 00-161: ENTITLED: Laser resurfacing: Study to examine the effect of different test agents on laser resurfacing healing
 - 01-011-ENTITLED: To examine the effect of various topical agents on incisional

wounds in a porcine model

01-012: ENTITLED: A wound healing model to examine the effect of various agents on skin graft take and wound healing

01-102: ENTITLED: An animal model to examine the effect of various topical agents, dressings

01-102resub01: ENTITLED: Study to examine the effect of a mist ultra-sound device on second-degree burn wound healing

01-102resub02-03 ENTITLED: An animal model to examine the effects of various topical agents, dressing and/or devices on second degree burn wound healing

01-102resub04: ENTITLED: To determine the effect of liposome-encapsulated minoxidil on healing (epithelization) of non-debrided second-degree burn wounds in vivo

01-102resub05: ENTITLED: An animal model to examine the effect of various topical agents, dressings and/or devices on second degree burn wound healing

01-102resub06: ENTITLED: An Animal Model to Examine the Effect of Various Topical Agents, Dressings and/or Devices on Second-degree Burn Wound Healing

01-102resub07: ENTITLED: An Animal Model to Examine the Effects of Various Topical Agents, Dressings and/or Devices on Second-Degree Burn Wound Healing

01-103: ENTITLED: An animal model to examine the effect of various topical agents, dressing

01-103resub01, 01-103resub03: ENTITLED: The effect of topical estrogen on partial thickness wounds

01-103resub02: ENTITLED: The effects of topical growth factors on partial thickness wounds

01-103resub04: ENTITLED: Study the effect of a new liquid dressing on partial thickness wounds

01-103resub05: ENTITLED: Study of the effect of Lipomoist, Q10 and Duoderm on Partial Thickness Wound Healing

01-103resub06: ENTITLED: An animal model to examine the effect of various topical agents, dressings and/or devices on partial thickness wound healing

01-103resub07: ENTITLED: An Animal Model to examine the effects of various topical agents, dressing and/or devices on partial thickness wound healing

01-103resub08: ENTITLED: An Animal Model to Examine the Effects of Various Topical Agents, Dressings and/or Devices on Partial Thickness Wound Infections

01-103resub09: ENTITLED: An animal model to examine the effect of various topical agents, dressings and/or devices on partial thickness wound healing

01-114: ENTITLED: An animal model to examine debrided second-degree burn wound healing

01-115: ENTITLED: An animal model for the study of deep partial thickness wound healing

01-116: ENTITLED: An animal model to examine the effect of various topical agents, dressing, and/or devices on full thickness wound healing

01-124: ENTITLED: An animal model to study various topical agents, dressings and/or devices on partial thickness wound infections

01-124resub01: ENTITLED: Study the effect of a mist ultrasound device on the proliferation of methicillin resistant staphylococcus aureus (MRSA) in partial thickness

01-124resub02, 01-124resub03: ENTITLED: Effect of phage on staphylococcus growth in partial thickness wounds

01-124resub04: ENTITLED: The effect of Triclosan on infected partial thickness wounds

01-124resub05: ENTITLED: An animal model to study various topical agents, dressings and/or devices on partial thickness wound infections

01-124resub06: ENTITLED: An animal model to study various topical agents, dressings and/or devices on partial thickness wound infections

01-124resub07: ENTITLED: An animal model to study various topical agents, dressings and/or devices on partial thickness wound infections

01-124resub08: ENTITLED: The Effect of Lactobacillus Strains on Skin Wounds

01-124resub09: ENTITLED: Evaluation of a Topical Agent on Methicillin Resistant Staphylococcus Aureus (MRSA) Proliferation in Partial Thickness Wounds

01-124resub10: ENTITLED: An Animal Model to Study Various Topical Agents, Dressings and/or Devices on Partial Thickness Wound Infections

01-124resub11: ENTITLED: To Study the Effect of Bactroban Cream vs Bactroban Ointment on Partial Thickness Wound Infections

01-124resub12, 01-124resub13, 01-124resub14, 01-124resub15: ENTITLED: An Animal Model to Study Various Topical Agents, Dressings and/or Devices on Partial Thickness Wound Infections

01-127: ENTITLED: The examination of a liquid bandage on acute partial thickness wounds: A durability study

01-153: ENTITLED: To Determine the effect of two different doses of a wound-healing agent on full thickness wound healing in a porcine model.

01-194: ENTITLED: Use of surgical for adhesion prevention in spinal cord surgery

01-213: ENTITLED: Photosensitive PEG-heparin Hydrogels in Wound Healing

02-001: ENTITLED: A New Model of Pediatric Stroke in Infant Piglets

02-084: ENTITLED: Fluid Resuscitation From Traumatic Brain Injury + Hemorrhagic Shock

02-131: ENTITLED: To Determine the Effect of a Liquid Occlusive Dressing (LOD) on Skin Tears in a Porcine Model

02-170: ENTITLED: Development of a lymphedema-Wound Healing Model in Pigs

02-174: ENTITLED: Reconstructing full thickness wounds in a pig by delayed skin grafting versus immediate allogeneic acellular dermis with split thickness skin graft.

12. Exemptions for MULTIPLE SURVIVAL SURGERY PROCEDURES were reviewed, discussed and approved by the IACUC for the following protocols involving Canine models

00-062: ENTITLED: Genetic Engineering of Vascular Graft

01-055: ENTITLED: Canine Carotid aneurysm model

01-110: ENTITLED: Studies of the Graft promoting, tolerogenic potential of donor cells and/or antigens administered in conjunction with novel immunomodulatory drugs in a canine islet transplant model: Effect of transplant site, donor cell composition, and timing...

02-089: ENTITLED: A novel Artificial Spinchter for the Control of Urinary Incontinence

13. Exemptions for MULTIPLE SURVIVAL SURGERY PROCEDURES were reviewed, discussed and approved by the IACUC for the following protocols involving Non Human Primate models

99-116: ENTITLED: Development and Use of VSV as an Anti-HIV Therapeutic

01-061: ENTITLED: Transplantation of porcine transgenic OEG after primate spinal cord injury

01-173: ENTITLED: Multifaceted approaches to the induction of tolerance to allogeneic and xenogeneic pancreatic islets in non-human primates: Incorporation of novel immunointervention agents, administration of donor antigen and encapsulation technology

14. Exemptions for MULTIPLE SURVIVAL SURGERY PROCEDURES were reviewed, discussed and approved by the IACUC for the following protocols involving Rabbit models

00-127: ENTITLED: Ex-Vivo expansion of limbal epithelial stem cells on amniotic membrane

00-173: ENTITLED: Biobehavioral Base of CHD Risk and Management (Program Project) Project 3: Environment, CNS and Atherosclerosis

01-135: ENTITLED: Investigation on Safety of Secondary Stainless Steel Posting in an Integrated Porous Implant for Orbital Reconstruction Post Enucleation Surgery

01-194: ENTITLED: Use of surgical for adhesion prevention in spinal cord surgery

02-065: ENTITLED: Ex-vivo Expansion of Rabbit Retinal Pigment Epithelial Cells on Rabbit Amniotic Membranes for Autologous Re-Transplantation onto Denuded Bruch's Membrane

02-116: ENTITLED: Flow Divertors to Cure Cerebral Aneurysms

02-150: ENTITLED: Preliminary Investigations of Platelet Therapies for the Treatment of Aneurysms

15. Exemptions for MULTIPLE SURVIVAL SURGERY PROCEDURES were reviewed, discussed and approved by the IACUC for the following protocols involving cat models

01-064: ENTITLED: Enhancement of locomotor function with transplantation of monoaminergic cells

02-134 ENTITLED: Laser trabeculoplasty using Titanium Sapphire and Alexandrite vs Argon lasers

16. Exemptions for MULTIPLE SURVIVAL SURGERY PROCEDURES were reviewed, discussed and approved by the IACUC for the following protocols involving guinea pig models

02-061: ENTITLED: Gene Transfer of the Putative Cochlear Amplifier Protein - Prestin

Optional Column E Explanation Form

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1. Registration Number: 58-R-0007
2. Number of animals used in this study. 15
3. Species (common name) of animals used in this study. guinea pigs
4. Explain the procedure producing pain and/or distress.

MOLECULAR BIOLOGY OF COCHLEAR EFFERENT RECEPTORS. Animals will likely have some distress associated with a period of 1 hr of restraint q 4 days for up to 28 days.

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)

It is necessary to restrain the animals during measurement of Distortion Product otoacoust emissions (DPOAE).

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): *none.*

Agency _____ CFR _____

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1. Registration Number: 58-R-0007
2. Number of animals used in this study. 29
3. Species (common name) of animals used in this study. guinea pigs

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

Animals are subjected to noise levels that will damage the hair cells in the ear. Exposures will be for 6hrs/day for 10 days . The intensity is 85dB. It is postulated that this will provide a conditioning stimuli.

- 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)**

Withholding pain/distress relief is justified during the exposure to noise as analgesics and anesthetics may alter blood flow to the cochlea and thus create an artifact in the data.

- 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): *none.***

Agency _____

CFR _____

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1. Registration Number: 58-R-0007
2. Number of animals used in this study. 2
3. Species (common name) of animals used in this study. Hamster
4. Explain the procedure producing pain and/or distress.

Production of polyclonal antibodies using Freund's Complete Adjuvant- no pain relief.

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)

Analgesia was withheld because the use of analgesics and antiinflammatory agents could blunt the antibody response to the injected antigen. The unrelieved distress/pain is justified by the need to maximize the immune response to the new antigen.

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): *none.*

Agency _____ CFR _____

Optional Column E Explanation Form

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: 58-R-0007
2. Number of animals used in this study. 54
3. Species (common name) Rabbits (WHHL) of animals used in this study.
4. Explain the procedure producing pain and/or distress.

Close social interaction between male watanabe rabbits for four hours to induce stress in these animals which are genetically susceptible to heart disease is being studied. The stress involves pair caging of male rabbits for up to four hours at a time. Such housing can initiate aggressive behavior and posturing in these rabbits.

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)

The aim of the study is to investigate the role of social stress in development of heart disease in a population with high susceptibility. The model to create social interaction between the rabbits. The use of sedatives or tranquilizers during the pair housing period of four hours invalidated the model. After much discussion by the IACUC and assurance from the PI that the rabbits would be attached closely to prevent injury, the protocol was approved as a D category study.

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): *none.*

Agency _____ CFR _____

Optional Column E Explanation Form

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: 58-R-0007
2. Number of animals used in this study. 48
3. Species (common name) of animals used in this study. wild fish

4. Explain the procedure producing pain and/or distress.
Animals will be exposed to toxins from Pfiesteria and the kill measured.

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)

The bioassay is the only method available to measure piscicidal levels of toxins in marine fish. No invitro assay is available. Part of the project is directed to develop an invitro alternative.

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): *none.*

Agency _____ CFR _____

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

University Of South Florida
12901 Bruce B. Downs Blvd.
Mdc 20
Tampa, FL 33612

Telephone: (813)-974-3843

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 | 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, a | 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 reasons such drugs were not used must be attached to | F. TOTAL NUMBER OF ANIMALS (C + D + E) |
|--|---|---|--|--|--|
| 4. Dogs | | | | | 0 |
| 5. Cats | | | 54 | | 54 |
| 6. Guinea Pigs | | | | | 0 |
| 7. Hamsters | | 8 | | | 8 |
| 8. Rabbits | | 7 | 32 | 6 | 45 |
| 9. Non-human Primate | | | | | 0 |
| 10. Sheep | | | | | 0 |
| 11. Pigs | | | 161 | | 161 |
| 12. Other Farm Animals | | | | | 0 |
| Bovine | | 2 | | | 2 |
| 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 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.
- 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

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE

DATE SIGNED

11/2/02

[Handwritten Signature]

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: 58-R-0015

2. Number 6 of animals used in this study.

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

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

Local inflammation that may develop in rabbits administered emulsions containing Complete Freund's Adjuvant is not always reliably anticipated. Six rabbits used in antisera production developed focal subcutaneous granuloma. These lesions were not recorded in medical logs, and logs did not indicate that treatment had been instituted in a timely manner. Consequently, these animals may have experienced some discomfort and are therefore, reported herein.

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)

The institution has implemented new procedures to ensure adequate lesion monitoring and reporting methods whenever rabbits are used for polyclonal antibody production.

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 N/A CFR

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

| | | |
|--|---------------------|------------------------------------|
| 1. REGISTRATION NO. 58-F-0009 | CUSTOMER NO. 966 | FORM APPROVED OMB NO. 0579-0036 |
| 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) | | |
| LIFE SCIENCES SUPPORT FACILITY MAIL CODE BIO-3 - HANGAR L CAPE CANAVERAL AIR FORCE STATION KENNEDY SPACE CENTER, FL 32899 | | |

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)

LIFE SCIENCES SUPPORT FACILITY
KENNEDY SPACE CENTER, FL 32899

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 reasons such drugs were not used must be attached to this report) | F. TOTAL NO. OF ANIMALS (Cols. 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 | | | | | |

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 (Type or Print) | DATE SIGNED 11/12/2002 |
|---|--|---------------------------|

| | | |
|---|--|---|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 58-R-0001 CUSTOMER NUMBER: 873 | FORM APPROVED OMB NO. 0579-0036 <i>CW</i> |
| Florida State University Florida State University Laboratory Animal Rs. 101 Brf Tallahassee, FL 32306 Telephone: (904) -644-4262 | | |

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 | 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, a | 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 reasons such drugs were not used must be attached to | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|--|---|---|--|--|--|
| 4. Dogs | | | | | |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | 67 | 133 | 65 | | 198 |
| 8. Rabbits | 2 | 39 | | | 39 |
| 9. Non-human Primate | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| 13. Other Animals | | | | | |
| Meadow Voles | 84 | 285 | 40 | | 325 |
| Prarie Voles | 386 | 712 | 774 | | 1486 |

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 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

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 |
| | | 11/26/02 |

| | | |
|---|--|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 58-R-0005 CUSTOMER NUMBER: 871 | FORM APPROVED OMB NO. 0579-0036 |
| Mount Sinai Medical Center Mount Sinai Medical Center 4300 Alton Rd. Miami Beach, FL 33140 Telephone: (305) -674-2790 | | |

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 | 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, a | 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 reasons such drugs were not used must be attached to | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|---|--|--|---|---|--|
| 4. Dogs | -0- | -0- | -0- | -0- | -0- |
| 5. Cats | -0- | -0- | -0- | -0- | -0- |
| 6. Guinea Pigs | -0- | -0- | -0- | -0- | -0- |
| 7. Hamsters | -0- | -0- | -0- | -0- | -0- |
| 8. Rabbits | -0- | -0- | 14 | -0- | 14 |
| 9. Non-human Primate | -0- | -0- | -0- | -0- | -0- |
| 10. Sheep | 2 | -0- | 64 | -0- | 64 |
| 11. Pigs | 13 | -0- | 121 | -0- | 121 |
| 12. Other Farm Animals | | | | | |
| Goats | -0- | -0- | 2 | -0- | 2 |
| 13. Other Animals | | | | | |
| Mice | -0- | 28 | -0- | -0- | 28 |

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.
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- 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

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
 (Chief Executive Officer or Legally Responsible Institutional Official)

SIGNED

10/3/02

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.
58-R-0012

CUSTOMER NO.
874

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)

FLORIDA A&M UNIVERSITY
COLLEGE OF PHARMACY
201 DYSON PHARMACY BLDG
TALLAHASSEE, FL 32307-3800

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

FLORIDA A&M UNIVERSITY
TALLAHASSEE, FL 32307-3800

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 reasons such drugs were not used must be attached to this report) | F. TOTAL NO. OF ANIMALS (Cols. C + D + E) |
|--|---|---|---|--|---|
| 4. Dogs | | | | | |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | | | |
| 8. Rabbits | | 15 | | | 15 |
| 9. Non-Human Primates | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| 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.
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- 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 (Type or Print)

DATE SIGNED

11/20/2002

OCT 21 2002

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 58-R-0016
CUSTOMER NUMBER: 875

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

University Of Central Florida
4000 Central Florida Blvd.
Ste. 423
Orlando, FL 32816
Telephone: (407) -823-3778

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 | 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, a | 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 reasons such drugs were not used must be attached to | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|--|---|---|--|--|--|
| 4. Dogs | | | | | |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | | | |
| 8. Rabbits | | | | | |
| 9. Non-human Primate | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| 13. Other Animals | | | | | |
| Peromyscus (Beach Mice) | 0 | 10 | 0 | 0 | 10 |

ASSURANCE STATEMENTS

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- 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

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

DATE SIGNED

10/14/02

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 58-R-0020
CUSTOMER NUMBER: 8216

FORM APPROVED
OMB NO. 0579-0036

OCT 07 2002

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Florida Institute Of Technology
150 W. University Blvd.
Melbourne, FL 32901

Telephone: ~~909.300.9008~~ (321) 674-8960

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)

F.W. Olin Life Sciences Bldg. FACILITY LOCATIONS (Sites) - See Attached Listing Biowest FL 32901
150 W. university Blvd., Melbourne, FL 3290± 3325 W.NewHaven Ave., Melbourne,

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 | 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, a | 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 reasons such drugs were not used must be attached to | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|--|---|---|--|--|--|
| 4. Dogs | | | | | |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | | | |
| 8. Rabbits | | | | | |
| 9. Non-human Primate | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| 13. Other Animals | | | | We have not had any animals reportable to AOHIS in the past year. We have used only mice, rats, snakes, and fish. | |

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 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

DATE SIGNED

10/1/02

apr

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 58-R-0021
CUSTOMER NUMBER: 868

FORM APPROVED
OMB NO. 0579-0038

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

The Mannheimer Foundation, Inc.
20255 Sw 360 St.
Homestead, FL 33034

Telephone: (305) -245-1551

DEC 12 2002

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 | 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, a | 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 reasons such drugs were not used must be attached to | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|--|---|---|--|--|--|
| 4. Dogs | | | | | |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | | | |
| 8. Rabbits | | | | | |
| 9. Non-human Primate | 813 | 0 | 93 | 0 | 93 |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| 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 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.
- 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

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

DATE SIGNED

12-11-02

[Signature]

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED
OMB NO 0579-0036

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

2. HEADQUARTERS include Zip 58-R-0023, Cust Id 914

Registered with USDA

NOV 20 2002
ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

ST. PETERSBURG JUNIOR COLLEGE
7200 66TH ST NORTH
PINELLAS PARK, FL 33781

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)

7200 66th St N, Pinellas Park FL 33781

12611 86th Ave N, Seminole FL 33776

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 reasons such drugs were not used must be attached to this report). | F. TOTAL NO. OF ANIMALS (Cols. C + D + E) |
|--|---|---|--|---|---|
| 4. Dogs | | | 45 | | 45 |
| 5. Cats | | | 26 | | 26 |
| 6. Guinea Pigs | | 6 | | | 6 |
| 7. Hamsters | | 3 | | | 3 |
| 8. Rabbits | | 2 | | | 2 |
| 9. Non-human Primates | | | | | |
| 10. Sheep | | 2 | | | 2 |
| 11. Pigs | | 6 | | | 6 |
| 12. Other Farm Animals (Horses) | | 7 | | | 7 |
| | (cows) | 3 | | | 3 |
| 13. Other Animals (Donkeys) | | 2 | | | 2 |
| | (Goats) | 3 | | | 3 |
| | | | | | |
| | | | | | |

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 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)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

11-18-02

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 58-R-0035
CUSTOMER NUMBER: 908

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Florida Atlantic University
777 Glades Road
P.O. Box 3091
Boca Raton, FL 33431

Telephone: (561)-367-2310

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)

Building Locations: MT-18/ T-11/ T-5/ T-8/ **FACILITY LOCATIONS (Sites) - See Attached Listing**
Biomedical Sciences/

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 | 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, a | 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 reasons such drugs were not used must be attached to | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|--|---|---|--|--|--|
| 4. Dogs | | | | | |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | | | |
| 8. Rabbits | | 44 | | | |
| 9. Non-human Primate | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| 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 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.
- 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

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

DATE SIGNED
11/7/02

gpa

This report is required by law (7 USC 2143). Failure to report according to the regulations can

See attached form for additional information

Interagency Report Control No.:

| | | |
|--|---|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 58-R-0037 CUSTOMER NUMBER: 8218 | FORM APPROVED OMB NO. 0579-0036 |
| Rumbaugh-Goodwin Institute For Cancer Research Goodwin Institute For Cancer Research 1850 N.W. 69th Avenue Plantation, FL 33313 Telephone: (999) -999-9999 | | |

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 | 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, a | 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 reasons such drugs were not used must be attached to | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|--|---|---|--|--|--|
| 4. Dogs | 0 | | | | |
| 5. Cats | 0 | | | | |
| 6. Guinea Pigs | 0 | | | | |
| 7. Hamsters | 0 | | | | |
| 8. Rabbits | 0 | | | | |
| 9. Non-human Primate | 0 | | | | |
| 10. Sheep | 0 | | | | |
| 11. Pigs | 0 | | | | |
| 12. Other Farm Animals | 0 | | | | |
| 13. Other Animals | | | | | |
| <i>mice</i> | <i>1,000</i> | <i>1,000</i> | <i>400</i> | <i>0</i> | <i>1,400</i> |

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.
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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
 (Chief Executive Officer or Legally Responsible Institutional Official)

rint

DATE SIGNED
9/3/02

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 58-R-0041
CUSTOMER NO. 909

FORM APPROVED
OMB NO. 0575-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

MOTE MARINE LABORATORY
1600 KEN THOMPSON PKWY.
SARASOTA, FL 34236

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)

MOTE MARINE LABORATORY
SARASOTA, FL 34236

MOTE MARINE LABORATORY
SARASOTA, FL 34236

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 reasons such drugs were not used must be attached to this report) | F. TOTAL NO. OF ANIMALS (Cols. 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 | | | | | |
| manatee | | 2 | | | 2 |
| whales and dolphins | | 4 | | | 4 |
| manatees | | 2 | | | 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 research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 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 (Type or Print) | DATE SIGNED |
| | 076119112101119038084105113097101103121101115050039088113068045034072 124106105124124114118102034071109119107106124120114 | 11/19/2002 |

NOV 25 2002



1600 Ken Thompson Parkway
Sarasota, Florida 34236-1096 USA
PHONE: (941) 388-4441 FAX: (941) 388-4312
INTERNET: info@mote.org • www.mote.org

58120041

FIELD STATIONS: Florida Keys • 24244 Overseas Highway • Summerland Key, FL 33042 • PHONE: (305) 745-2729 • FAX: (305) 745-2730
Charlotte Harbor • P.O. Box 2197 • Pineland, FL 33945 • PHONE: (239) 283-1622 • FAX: (239) 283-2466
Mote Aquaculture Park • 12300 Fruitville Road • Sarasota, FL 34240

November 19, 2002

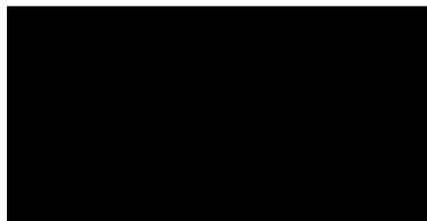
Elizabeth Goldentyer, D. V. M.
U.S. Department of Agriculture
Animal Care, Eastern Region
920 Main Campus Drive Ste 200, Unit 3040
Raleigh, NC 27606

Reference: Registration Number 58-R-0041, Annual Report

Dear Dr. Goldentyer,

I have submitted the Annual Report electronically this year, but I wanted to further explain the listing of four dolphins and whales on form 7023a. Mote does not regularly hold cetaceans at its facility. However, in cooperation with the NOAA Fisheries Service, Mote's Dolphin and Whale Hospital is involved with the rescue and rehabilitation of stranded cetaceans. All care and treatment during the temporary holding of these animals follow the guidelines as set forth under the Act. When these emergency medical situations arise, holding of ill/injured animals is accomplished utilizing two quarantine pools and a larger rehabilitation lagoon. Within the past reporting period, October 1, 2001 - September 30, 2002, Mote has held four such stranded cetaceans for medical care (MML 0103a, 0222, 0225a, and 0234).

Sincerely,



Enclosures

cc: 

A nonprofit organization dedicated to excellence in marine sciences and a member of:

• AMERICAN ASSOCIATION OF MUSEUMS • ASSOCIATION OF MARINE LABORATORIES OF THE CARIBBEAN • FLORIDA OCEAN ALLIANCE
• NATIONAL ASSOCIATION OF MARINE LABORATORIES • SCIENCE AND ENVIRONMENTAL COUNCIL OF SARASOTA COUNTY • SOUTHERN ASSOCIATION OF MARINE LABORATORIES

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 58-R-0045
CUSTOMER NUMBER: 867

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Dolphin Research Center
~~Pe-Box 322875~~ 58901 Overseas Hwy
Grassy Key, FL 33052 ~~20~~ Grassy Key, FL 33050
Telephone: (305)-289-0002

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 | 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, a | 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 reasons such drugs were not used must be attached to | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|--|---|---|--|---|--|
| 4. Dogs | | | | | |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | | | |
| 8. Rabbits | | | | | |
| 9. Non-human Primate | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| 13. Other Animals | | | | | |
| ATLANTIC Bottlenose Dolphin | | 17 | | | 17 |
| California Sea Lions | | 2 | | | 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 research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 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

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

DATE SIGNED

10/24/02

OCT 01 2002

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 58-R-0058
CUSTOMER NUMBER: 8215

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Bild Animal Hospital
2500 Nw 79th St.
Miami, FL 33147

Telephone: (999) -999-9999
(3 0 5) 6 9 1 - 5 5 1 1

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)

Bild Animal Hospital
2500 NW 79 Street Miami, Florida 33147-4932
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 | 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, a | 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 reasons such drugs were not used must be attached to | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|--|---|---|--|--|--|
| 4. Dogs | 0 | 0 | 0 | 0 | 0 |
| 5. Cats | 0 | | | | |
| 6. Guinea Pigs | 0 | | | | |
| 7. Hamsters | 0 | | | | |
| 8. Rabbits | 0 | | | | |
| 9. Non-human Primate | 0 | | | | |
| 10. Sheep | 0 | | | | |
| 11. Pigs | 0 | | | | |
| 12. Other Farm Animals | 0 | | | | |
| 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 research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

S
AP

type or Print

DATE SIGNED

[Signature] 9/26/02

SEP 27 2002

ja

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 58-R-0103

FORM APPROVED
OMB NO. 0579-0036

CUSTOMER NUMBER: 8214

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

School Of Nat & Health Science
11300 Ne Second Ave
Miami Shores, FL 33161

Telephone: (305) -899-3200

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 | 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, a | 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 reasons such drugs were not used must be attached to | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|--|---|---|--|--|--|
| 4. Dogs | 0 | 0 | 0 | 0 | 0 |
| 5. Cats | 0 | 0 | 0 | 0 | 0 |
| 6. Guinea Pigs | 0 | 0 | 0 | 0 | 0 |
| 7. Hamsters | 0 | 0 | 0 | 0 | 0 |
| 8. Rabbits | 0 | 0 | 0 | 0 | 0 |
| 9. Non-human Primate | 0 | 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 | 0 | 0 | 0 | 0 | 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 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 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

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

DATE SIGNED

9/23/02

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 58-R-0109
CUSTOMER NO. 850

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)

MIAMI CHILDREN'S HOSPITAL
GEORGE E BATCHELOR RESEARCH AND ACADEMIC PAVILION
3196 SW 62ND AVE
MIAMI, FL 33155-3098

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)

MIAMI CHILDREN'S HOSPITAL DEPT OF EDUCATION
MIAMI, FL 33155-3098

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 reasons such drugs were not used must be attached to this report) | F. TOTAL NO. OF ANIMALS (Cols. 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 | | | | | |

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 (Type or Print) | DATE SIGNED 11/12/2002 |
|---|--|---------------------------|

OCT 01 2002

CPV

| | | |
|--|--|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 58-R-0118 CUSTOMER NUMBER: 976 | FORM APPROVED OMB NO. 0579-0036 |
| Toxin Technology, Inc. 7165 Curtiss Ave. Sarasota, FL 34231 Telephone: (813) -925-2032 <i>941-</i> | | |

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 ye | 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, a | 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, experments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|---|---|--|---|--|--|
| 4. Dogs | | | | | -0- |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | | | |
| 8. Rabbits | | | | | |
| 9. Non-human Primate | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| | | | | | |
| 13. Other Animals | | | | | |
| <i>No animals were used at this facility Oct 1, 01 - Sept 30 02</i> | | | | | |

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 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

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
 (Chief Executive Officer or Legally Responsible Institutional Official)

DATE SIGNED
9/27/02

SEP 27 2002

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 58-R-0120
CUSTOMER NUMBER: 1000

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Orhs Health Sciences Center
Orhs Health Research Institute
110 Bonnie Loch Court
Orlando, FL 32806

Telephone: (407) -426-9794

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 | 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, a | 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 reasons such drugs were not used must be attached to | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|--|---|---|--|--|--|
| 4. Dogs | 0 | 0 | 0 | 0 | 0 |
| 5. Cats | 0 | 0 | 0 | 0 | 0 |
| 6. Guinea Pigs | 0 | 0 | 0 | 0 | 0 |
| Hamsters | 0 | 0 | 0 | 0 | 0 |
| 8. Rabbits | 0 | 0 | 0 | 0 | 0 |
| 9. Non-human Primate | 0 | 0 | 0 | 0 | 0 |
| 10. Sheep Goats | 0 | 0 | 0 | 0 | 0 |
| 11. Pigs | 1 | 1 | 0 | 0 | 1 |
| 12. Other Farm Animals | 0 | 0 | 0 | 0 | 0 |
| 13. Other Animals | 0 | 0 | 0 | 0 | 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 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 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

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

DATE SIGNED

9/26/02

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 58-R-0121
CUSTOMER NUMBER: 1663

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Dumond Conservancy For Primates & Tropic
P O Box 246
Miami, FL 33170
Telephone: (305) -238-9981

NOV 29 2002

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

14755 SW 216 St. Miami, FL 33170
14805 SW 216 St. Miami, FL 33170

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 | 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, a | 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 reasons such drugs were not used must be attached to | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|--|---|---|--|--|--|
| 4. Dogs | | | | | |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | | | |
| 8. Rabbits | | | | | |
| 9. Non-human Primate | 5 | 46 | 0 | 0 | 46 |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| 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.
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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

DATE SIGNED
NOV
25, 2002

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 58-R-0126
CUSTOMER NUMBER: 1796

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Brevard Community College
Brevard Community College
1519 Clearlake Road
Cocoa, FL 32922

NOV 29 2002

Telephone: (321)-632-1111

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 | 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, a | 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 reasons such drugs were not used must be attached to | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|--|---|---|--|--|--|
| 4. Dogs | | 59 (incl 4 cadavers) | 27 (dentals, Neutem, OHE) | | 86 |
| 5. Cats | | 29 (incl 4 cadavers) | 6 (OHE/dentals) | | 35 |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | 1 | | | 1 |
| 8. Rabbits | | 2 | | | 2 |
| 9. Non-human Primate | | | | | |
| 10. Sheep | | 5 | | | 5 |
| 11. Pigs | | 5 | | | 5 |
| 12. Other Farm Animals | | 5 | | | 5 |
| Goats | | 5 | | | 5 |
| Cattle | | 5 | | | 5 |
| 13. Other Animals | | 2 | | | 2 |
| Arbils | | 3 preserved | | | 3 |
| SAAKES | | 3 preserved | | | 3 |
| Foalies | | 6 cadavers | | | 6 |
| ALGA | | | | | |

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 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

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

DATE SIGNED

11-22-02

58R0126

ATTACHMENT for Annual Report USDA

Reporting Facility (List all locations where animals were housed or used in research, testing, or experimentation, or held for these purposes*).

*Animals at Brevard Community College are utilized for TEACHING purposes only at the following locations:

- 1) Brevard Community College – Cocoa Campus
Veterinary Technology Building #21 Room #111
Math and Science Building #7 Room #116
Fine Arts Building #4 various classrooms
- 2) Brevard County Sheriff's Ranch Cocoa, FL

| | | |
|---|--|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 58-R-0127 CUSTOMER NUMBER: 8985 | FORM APPROVED OMB NO. 0579-0036 |
| | Everglades Wildlife Sanctuary P.O. Box 201 Dania, FL 33004 Telephone: (863)-612-1177 P.O. Box 2326 L=0-116, FL 33935 JAN 06 2003 | |

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 | 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, a | 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 reasons such drugs were not used must be attached to | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|--|---|---|--|---|--|
| 4. Dogs | | | | | |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | | | |
| 8. Rabbits | | | | | |
| 9. Non-human Primate | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| 13. Other Animals | | | | | |
| Verisize 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 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 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

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
 (Chief Executive Officer or Legally Responsible Institutional Official)

| | |
|--|-------------|
| SIGNATURE OF CEO OR INSTITUTIONAL OFFICIAL | DATE SIGNED |
| | 1-4-03 |

cbw

| | | |
|---|---|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 58-R-0128 CUSTOMER NUMBER: 9738 | FORM APPROVED OMB NO. 0579-0036 |
| Lemur Conservation Foundation Po Box 249 / <i>42500</i> 73rd Ave <i>ETP</i> Myakka City, FL 34251 Telephone: (941) 725-1701 <i>322-8494</i> | | |

NOV 29 2002

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
Myakka City Lemur Reserve

| 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 | 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, a | 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 reasons such drugs were not used must be attached to | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|--|---|---|--|--|--|
| 4. Dogs | 0 | | | | 0 |
| 5. Cats | 0 | | | | 0 |
| 6. Guinea Pigs | 0 | | | | 0 |
| 7. Hamsters | 0 | | | | 0 |
| 8. Rabbits | 0 | | | | 0 |
| 9. Non-human Primate | 5 | 16 | 0 | 0 | 16 |
| 10. Sheep | 0 | | | | 0 |
| 11. Pigs | 0 | | | | 0 |
| 12. Other Farm Animals | 0 | | | | 0 |
| 13. Other Animals | 0 | | | | 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 research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
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- 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

DATE SIGNED
11/20/02

SEP 26 2002

See attached form for additional information

Interagency Report Control No. *[Signature]*

| | | |
|---|--|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 58-R-0129 CUSTOMER NUMBER: 11502 | FORM APPROVED OMB NO. 0579-0036 |
| Crotalus, Inc 2777 Pontiac Loop Cottondale, FL 32431 Telephone: (850) -638-4944 | | |

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 | 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, a | 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 reasons such drugs were not used must be attached to | F. TOTAL NUMBER OF ANIMALS (C + D + E) |
|--|---|---|--|--|--|
| 4. Dogs | | | | | |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | | | |
| 8. Rabbits | | | | | |
| 9. Non-human Primate | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| 13. Other Animals <i>Horses</i> | | | <i>2</i> | | |
| | | | | | |
| | | | | | |
| | | | | | |

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.
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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
 (Chief Executive Officer or Legally Responsible Institutional Official)

INSTITUTIONAL OFFICIAL (Type or Print

DATE SIGNED

9/23/02

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 reverse side for additional information.

Interagency Report Control No 0180-GOA-AN

for

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 58-R-0130 CUSTOMER NO. 15457

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

JAN 06 2003

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include 26 Code)

HARBOR BRANCH OCEANOGRAPHIC INSTITUTE
5600 US 1 NORTH
FT PIERCE, FL 34964
(81) 485-2400

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

5600 US 1 North - Ft. Pierce, FL

34946

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7021A)

| 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 reasons such drugs were not used must be attached to this report) | F. TOTAL NO. OF ANIMALS (Cols. C + D + E) |
|--|---|---|---|--|---|
| 4. Dogs | | | | | 0 |
| 5. Cats | | | | | 0 |
| 6. Guinea Pigs | | | | | 0 |
| 7. Hamsters | | | | | 0 |
| 8. Rabbits | | | | | 0 |
| 9. Non-Human Primates | | | | | 0 |
| 10. Sheep | | | | | 0 |
| 11. Pigs | | | | | 0 |
| 12. Other Farm Animals | | | | | 0 |
| 13. Other Animals | | | | | 0 |
| Note: HARBOR BRANCH HAS NOT CONDUCTED ANY RESEARCH ACTIVITIES THIS YEAR | | | | | |

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

DATE SIGNED

Dec 02

QUARTERS