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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE  <b>ANNUAL REPORT OF RESEARCH FACILITY</b> ( TYPE OR PRINT )	1. CERTIFICATE NUMBER: 58-R-0015 CUSTOMER NUMBER: 930	FORM APPROVED OMB NO. 0579-0038
University Of South Florida 12901 Bruce B Downs Blvd Mdc02 Tampa, FL 33612  Telephone: (b)(6), (b)(7)c		

**3. REPORTING FACILITY** ( List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary )

FACILITY LOCATIONS ( Sites ) - See Attached Listing

**REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY** ( Attach additional sheets if necessary or use APHIS Form 7023A )

A. Animals Covered By The Animal Welfare Regulations	B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use o pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. ( An explanation of the procedures producing pain or distress in these animals and the reasc such drugs were not used must be attached to this report	F. TOTAL NUMBER OF ANIMALS  ( COLUMNS C + D + E )
4. Dogs					
5. Cats		4			4
6. Guinea Pigs			208		208
7. Hamsters			308	102	410
8. Rabbits			9		9
9. Non-human Primates			52	4	56
10. Sheep					
11. Pigs			212		212
12. Other Farm Animals					
13. Other Animals					
Gerbils			4		4

**ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual rese leaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and ap Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary inc brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL ( Chief Executive Officer or Legally Responsible Institutional Official )	
SIG  (b)(6), (b)(7)c	DATE SIGNED <div style="text-align: right; font-size: 1.2em; font-family: cursive;">                     11/10/08                 </div>

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### 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 102 of animals used in this study.

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

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

Members of this research protocol are used in studies of new developing treatments for visceral leishmaniasis, a parasitic infestation common in developing countries. Hamsters are infected with the parasite *Leishmania donovani* and treated with experimental therapeutics. Infested animals that do not respond to treatments may lose weight, develop fever, anemia, hepatomegaly and splenomegaly. Although study design includes the pre-moribund exclusion and euthanasia of affected animals, parasitic infestations can potentially produce discomfort, distress, or pain in animals that cannot always be readily anticipated, detected, or alleviated. Veterinarians are always consulted whenever pain, discomfort or distress in animals is anticipated or recognized.

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)

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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 \_\_\_\_\_

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1. Registration Number: 58-R-0015

2. Number 4 of animals used in this study.

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

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

Members of this aging nonhuman primate colony are monitored for the onset and progression of type 2 diabetes, and for spontaneous development of age-related disorders. The natural aging process and the development of diabetic-related conditions and associated pathologies or other unrelated intercurrent pathologies can potentially produce discomfort, distress, or pain in animals that cannot always be readily anticipated, detected, or alleviated. Veterinarians are always consulted whenever pain, discomfort or distress in animals is anticipated or recognized. All pathological processes including those associated with the aging and pre-diabetic and diabetic conditions are evaluated and those that are amendable to treatment are promptly placed on appropriate therapeutics. Regardless, in a life-long aging colony of animals selected as diabetic, pre-diabetic, or prone to diabetes, the surreptitious development of multiple intercurrent pathologies introduces the opportunity for undetected and non-alleviated discomfort, distress, or pain.

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