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UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1 REGISTRATION NO.
10-F-0002

CUSTOMER NO.
439

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)

Walter Reed Army Institute of Research/Naval Medical
Research Center
Division of Veterinary Medicine
(b)(2)High, (b)(7)f Robert Grant Avenue
Silver Spring MD 20910-7500

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)

WRAR/NMRC

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 those 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	0	4	0	0	4
6. Guinea Pigs	0	73	184	282	539
7. Hamsters					
8. Rabbits	0	68	4	0	72
9. Non-human Primates	98	164	129	0	391
10. Sheep					
11. Pigs	0	0	435	0	435
12. Other Farm Animals					
13 Other Animals					
Ferrets	0	0	9	15	24
Sand Rats	151	1	0	0	152

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).

SIGNATURE

or Print)

DATE SIGNED

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

12/4/09

NP
12/14/2009

DEC 07 2009

APHIS Form 7023 Site Addendum for FY: 2009

Registration Number: 10-F-0002
Customer ID Number: 439

Facility Business Address Information:

Facilities Site(s) Address Information:

Site Code(s):

001

Div Of Vet Medicine

(b)(2)High, (b)(7)f Robert Grant Ave.

Silver Spring, MD 20307

Assigned Inspector: Gloria Mcfadden, D V M

DEC 03 2009

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: 10-F-0002
2. Number of animals used in this study: 282
3. Species (common name) of animals used in the study: *Cavia porcellus* (Guinea pig)
4. Explain the procedure (the cause of the pain) producing pain and/or distress:

To test virulence, *Shigellae* are inoculated into the eyes of guinea pigs and the animals are observed for the development of disease by scoring the severity of the inflammation.

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 would interfere with test results. (For Federally mandated testing, see item 6 below):

The study of immune response to and protective efficacy of vaccine candidates directed against *Shigella* requires an accurate evaluation of the immune response raised by the administration of these vaccines. The use of analgesics, particularly opiates or narcotics, result in immunosuppression, which would invalidate the results of experiments testing immune responses as well as increasing the severity of the possible eye infection.

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: _____

DEC 03 2009

Column E Explanation

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1. Registration Number: 10-F-0002

2. Number of animals used in this study: 15

3. Species (common name) of animals used in the study: *Mustela putorius furo* (Ferret)

4. Explain the procedure (the cause of the pain) producing pain and/or distress:

Ferrets will receive vaccine or control material then challenged with *Campylobacter* bacteria to see if the animals develop adequate immunity to resist the infection. Ferrets may experience diarrhea.

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 would interfere with test results. (For Federally mandated testing, see item 6 below):

These animals cannot be treated with analgesics or antibiotics, because the results obtained will be confounded. In addition, the recovery or lack of illness of immunized animals cannot be attributed to the efficacy of the vaccine. Analgesics are contraindicated since these agents would change the course of the disease and alter physiologic/pathologic endpoints. Therefore, no such pharmacological agents will be used due to the risk of interference with the outcome of the disease.

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): N/A

Agency: _____ CFR: _____