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| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 34-R-0014 CUSTOMER NUMBER: 120 | FORM APPROVED OMB NO. 0579-0036 NOV 28 2005 |
| Wayne State University Division Of Laboratory Animal Resources 540 E. Canfield Detroit, MI 48201 Telephone: (313)-577-1629 | | |

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

FACILITY LOCATIONS (Sites) - See Attached Listing

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

| A. Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals 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 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 reason such drugs were not used must be attached to this report | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|--|--|---|---|---|--|
| 4. Dogs | 2 | | 19 | | 21 |
| 5. Cats | | | 10 | | 10 |
| 6. Guinea Pigs | | | 4 | 48 | 52 |
| 7. Hamsters | 6 | 1 | 165 | | 166 |
| 8. Rabbits | | | 82 | | 82 |
| 9. Non-human Primates | 4 | | | | 0 |
| 10. Sheep | | | | | 0 |
| 11. Pigs | 2 | | 50 | | 50 |
| 12. Other Farm Animals <i>Goats</i> | | | 12 | | 12 |
| 13. Other Animals <i>Gerbils</i> | | | 38 | | 38 |
| <i>Ferrets</i> | | | 6 | | 6 |

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, 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.

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| CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) | | |
| SIGNATURE OF | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | DATE SIGNED |
| (b)(6), (6)(7)(C) | (b)(6), (6)(7)(C) | 11/23/05 |

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NOV 9 9 2005

Wayne State University 34-R-0014

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

**540 E. Canfield
Detroit, MI 48201**

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

NOV 28 2005

Attachment

Wayne State University, Registration No. 34-R-0014

Forty Eight Guinea Pigs Reported Under Reporting Code E:

Guinea pigs are utilized to evaluate the efficacy and toxicity of investigational antifungal agents for the treatment of pulmonary aspergillosis. The advent of sophisticated life saving medical procedures, such as organ transplantation, intensive cytotoxic chemotherapy against cancer, and the prevalence of HIV infection in recent years have dramatically altered the immune status of the patient population during the past ten years. Consequently, the incidence of Aspergillus infection has increased significantly among cancer patients, organ transplant recipients and AIDS patients. Although fungal infection due to A. fumigatus has emerged as a serious clinical problem in immunocompromised patients, the choice of antifungal agents highly effective against A. fumigatus is unfortunately very limited. In this guinea pig model, a variety of novel antifungal agents are evaluated in the treatment of pulmonary aspergillosis. Clinical symptoms of this infection are treated with antifungal agents (except in control animals) and both dietary and fluid supplementation. Animals which do not respond to treatment (and control animals) are euthanized at the onset of anorexia, fever, dyspnea, or body weight loss greater than 20%.