

Jan

| | | |
|---|--|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 31-R-0011 CUSTOMER NUMBER: 210 | FORM APPROVED OMB NO. 0579-0036 |
| Children'S Hospital Medical Center Children'S Hosp Research Found 3333 Burnet Avenue Cincinnati, OH 45229 Telephone: (513) -636-4441 | | |

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, 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 | 76 | | 237 | 3 | 240 |
| 7. Hamsters | | | | | |
| 8. Rabbits | 134 | 7 | 37 | | 44 |
| 9. Non-human Primate | | | | | |
| 10. Sheep | | | 82 | | 82 |
| 11. Pigs | | 4 | 59 | | 63 |
| 12. Other Farm Animals | | | | | |
| Goat | | | 6 | | 6 |
| 13. Other Animals | | | | | |
| Frogs | 80 | 800 | 200 | | 1000 |

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)

| | | |
|---|--|-------------------------|
| SI | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | DATE SIGNED 11/27/02 |
|---|--|-------------------------|

11/16/03

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: 31-R-0011
- 2. Number 3 of animals used in this study.
- 3. Species (common name) guinea pigs of animals used in this study.

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

Animals were inoculated with herpes simplex virus (HSV) with rare paralysis.

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)

These animals are used to study the pathogenesis of herpes simplex virus. This virus is neurotropic and resides in neurons. Therefore, analgesics/ anesthetics can not be used due to their potential effect on the neuronal element and disruption of the normal viral pathogenesis. The infection rarely causes discomfort but can induced rear leg paralysis which can last up to 72 hours. During the paralytic period the bladder is expressed twice daily and the animals checked at least twice daily. Animals that do not recover in 72 hours are promptly euthanatized with CO₂. Paralysis is a rare occurrence. The protocol is used to evaluate novel therapeutic and (see back)

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 (b)(6), (b)(7)C CFR _____

Signature _____ Date 10/19/02

Continued:

5. vaccine strategies some of which have already progressed to clinical trials as a result of these preclinical studies.

| | | |
|---|--|--|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 31-R-0014 CUSTOMER NUMBER: 216 | FORM APPROVED OMB NO 0579-0036 <i>CH</i> |
| Ohio State University, The 313 Reseach Foundation 1960 Kenny Road Columbus, OH 43210 Telephone: (614) -292-7761 | | DEC 03 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, experments, research, or surgery but not ye | C. Number of animals upon which teaching, research, experments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. | D. Number of animals upon which experments, 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, experments, 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 | | 31 | 493 | | 524 |
| 5. Cats | | 23 | 97 | | 120 |
| 6. Guinea Pigs | 4 | 353 | 18 | | 371 |
| 7. Hamsters | | 3 | 35 | | 38 |
| 8. Rabbits | | 40 | 363 | | 403 |
| 9. Non-human Primate | | 15 | 6 | | 21 |
| 10. Sheep | | 2 | 59 | | 61 |
| 11. Pigs | | 548 | 454 | | 958 |
| 12. Other Farm Animals | | | | | |
| Cows | | 24 | 33 | | 57 |
| Horses | | 6 | 180 | | 186 |
| 13. Other Animals | | | | | |
| Chickens | | 171 | | | 171 |
| Chinchillas | | | 50 | | 50 |
| Deer Mice | | | 150 | | 150 |

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 |
| | | 11/22/02 |

EG
12/4/02

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 31-R-0014
Customer Number: 216

FORM APPROVED
OMB NO 0579-0038

CONTINUATION SHEET FOR ANNUAL REPORT
OF RESEARCH FACILITY
(TYPE OR PRINT)

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

Ohio State University, The
313 Research Foundation
1960 Kenny Road
Columbus, OH 43210

Telephone: (614)292-776

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use this form.)

| A. Animals Covered By The Animal Welfare Regulations ----- 12. &/OR 13. Other (List by species) | 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) |
|---|---|---|---|---|--|
| Alpacas | | | 28 | | 28 |
| Bats | | 22 | | | 22 |
| Frogs | | 16 | 10 | | 26 |
| Gerbils | 164 | 40 | | | 40 |
| Goats | | | 4 | | 4 |
| Llama | | | 17 | | 17 |
| Opossums | | | 37 | | 37 |
| Raccoon | | | 6 | | 6 |
| Siberian Hamsters | | | 1843 | 40 | 1883 |
| Turkeys | | 80 | | | 80 |
| Voles | | | 82 | | 82 |
| Gnotobiotic Calves & Cows | | 24 | 10 | | 34 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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 OF C.E.O. OR INSTITUTIONAL OFFICIAL | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | DATE SIGNED 11/22/02 |
| <div style="border: 1px solid red; height: 40px;"></div> | <div style="border: 1px solid red; height: 20px;"></div> | |

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: 31-R-0014

2. Number 40 of animals used in this study.

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

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

Eighty adult male deer mice and eighty adult male Siberian hamsters will be used in the proposed study. Forty animals of each species will be housed in a long-day photoperiod (16L; 16h light/day) and an equal number will be transferred to a short-day photoperiod (8L). After 10 weeks in their respective photoperiods, deer mice and hamsters will be given a single injection of LPS (*E. coli* lipopolysaccharide serotype O55:B5; Sigma Chemical Co.) at a dose of either 0.250, 0.500, 1.0, 10, 100, 200 or 400 mg LPS dissolved in 0.1 ml sterile physiological (0.9%) saline (n=5 animals per group). A seventh group will receive an injection of sterile saline only. Animals will be observed at 6 hour intervals for the next 48 h, at which time all animals will be euthanized. Survival at 48 h post-injection will be the data point collected. All survival studies will be conducted in a blind and randomized manner. Mice and hamsters will be monitored for signs of acute illness including lethargy, ruffled fur and 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 relief would interfere with test results. (For Federally mandated testing, see Item 6 below)

Marked hypothermia and lateral recumbency typically precede death resulting from septic shock in rodents. As evident in our pilot data, body temperature (Tb) is not a perfect predictor of mortality 6 h later. Siberian hamsters, moreover, possess thermoregulatory adaptations not present in laboratory mice. Hamsters routinely exhibit a marked decrease in Tb for extended intervals during the day (~8 h; daily torpor). Thus low ($37^{\circ}\text{C} > \text{Tb} > 32^{\circ}\text{C}$) body temperature alone is not a reliable predictor of death. In addition, it may be the case that adaptations which allow hamsters to survive regular daily torpor might also mitigate deleterious effects of hypothermia associated with endotoxemia. Torpor bouts rarely yield $\text{Tb} < 30^{\circ}\text{C}$, thus hamsters exhibiting Tbs lower than this value will be immediately euthanized via CO_2 .

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 _____

RESEARCH FACILITY SITES LISTING

Registered Facility Name: University Laboratory Animal Resources

Registration Number: 31-R-0014

Please list below all sites that house animals under the above registration number. Be sure to include all requested information. Do not leave any spaces blank. If the line does not apply, please mark it N/A. If you have more than three (3) sites, please copy this form as many times as needed before filling in the sites.

Site No.: 1 Name/Department: Postle Hall

Address: 305 W. 12th Ave. (Street Name)

Cols., OH 43210 (Town/City)

Building: N/A

Floor/Room: 0089

Contact Person: (b)(6), (b)(7)c

Site No.: 2 Name/Department: Laboratory Animal Center

Address: 6089 Godown Rd. (Street Name)

Cols., OH 43235 (Town/City)

Building: Buildings 1,3,4, and 6

Floor/Room: N/A

Contact Person: (b)(6), (b)(7)c

Site No.: 3 Name/Department: Marion Campus

Address: 1465 Mt. Vernon Ave. (Street Name)

Marion OH 43302 (Town/City)

Building: Marrill Hall

Floor/Room: 390

Contact Person: (b)(6), (b)(7)c

RESEARCH FACILITY SITES LISTING

Registered Facility Name: University Laboratory Animal Resources

Registration Number: 31-R-0014

Please list below all sites that house animals under the above registration number. Be sure to include all requested information. Do not leave any spaces blank. If the line does not apply, please mark it N/A. If you have more than three (3) sites, please copy this form as many times as needed before filling in the sites.

Site No.: 4 Name/Department: Graves Hall

Address: 333 W. 12th Ave. (Street Name)

Cols., OH 43210 (Town/City)

Building: N/A

Floor/Room: B167

Contact Person: (b)(6), (b)(7)c

Site No.: 5 Name/Department: Wiseman Hall

Address: 400 W. 12th Ave. (Street Name)

Cols., OH 43210 (Town/City)

Building: N/A

Floor/Room: 171

Contact Person: (b)(6), (b)(7)c

Site No.: 6 Name/Department: Biological Sciences

Address: 484 W 12th Ave. (Street Name)

Cols., OH 43210 (Town/City)

Building: N/A

Floor/Room: 525

Contact Person: (b)(6), (b)(7)c

RESEARCH FACILITY SITES LISTING

Registered Facility Name: University Laboratory Animal Resources

Registration Number: 31-R-0014

Please list below all sites that house animals under the above registration number. Be sure to include all requested information. Do not leave any spaces blank. If the line does not apply, please mark it N/A. If you have more than three (3) sites, please copy this form as many times as needed before filling in the sites.

Site No.: 7 Name/Department: Parks Hall

Address: 500 W 12th Ave. (Street Name)

Cols., OH 43210 (Town/City)

Building: N/A

Floor/Room: 531

Contact Person: (b)(6), (b)(7)c

Site No.: 8 Name/Department: Goss Laboratory

Address: 1925 Coffey Rd. (Street Name)

Cols., OH 43210 (Town/City)

Building: N/A

Floor/Room: 257A and 257B

Contact Person: (b)(6), (b)(7)c

Site No.: 9 Name/Department: Sisson Hall

Address: 1900 Coffey Rd. (Street Name)

Cols., OH 43210 (Town/City)

Building: N/A

Floor/Room: A-31

Contact Person: (b)(6), (b)(7)c

RESEARCH FACILITY SITES LISTING

Registered Facility Name: University Laboratory Animal Resources

Registration Number: 31-R-0014

Please list below all sites that house animals under the above registration number. Be sure to include all requested information. Do not leave any spaces blank. If the line does not apply, please mark it N/A. If you have more than three (3) sites, please copy this form as many times as needed before filling in the sites.

Site No.: 10 Name/Department: Veterinary Hospital

Address: 601 Tharp Street (Street Name)

Cols., OH 43210 (Town/City)

Building: N/A

Floor/Room: 0126

Contact Person: (b)(6), (b)(7)c

Site No.: 11 Name/Department: Ohio Agriculture Research and Development Center

Address: 1680 Madison Ave. (Street Name)

Wooster, OH 44691 (Town/City)

Building: N/A

Floor/Room: N/A

Contact Person: (b)(6), (b)(7)c

Site No.: 12 Name/Department: Botany and Zoology

Address: 1735 Neil Ave. (Street Name)

Cols., OH 43210 (Town/City)

Building: N/A

Floor/Room: 181

Contact Person: (b)(6), (b)(7)c

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number: 31-R-0014
Customer Number: 216
Facility: OHIO STATE UNIVERSITY, THE
313 RESEACH FOUNDATION
1960 KENNY ROAD
COLUMBUS, OH 43210
(614) 292-7761

POSTLE HALL
POSTLE HALL
1960 KENNY ROAD
COLUMBUS, OH 43210

MARION CAMPUS/MORRILL HALL
MARION CAMPUS/MORRIL HALL
1465 MT. VERNON AVE.
MARION, OH ..

OHIO AGRICULTURE AND DEVELOPMENT CENTER
OHIO AGRICULTURE AND DEVELOPMENT CENTER
1680 MADISON AVE.
WOOSTER, OH 44691

NOV 19 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. *ja*

| | | |
|---|--|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 31-R-0016 CUSTOMER NUMBER: 222 | FORM APPROVED OMB NO. 0579-0036 |
| Springborn Laboratories, Inc. 640 N. Elizabeth Street Spencerville, OH 45887 Telephone: (419)-647-4196 | | |

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 | | 602 | 14 | 6 | 622 |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | 6294 | | 1 | 6295 |
| 7. Hamsters | | | | | |
| 8. Rabbits | 6 | 1900 | 2 | 36 | 1938 |
| 9. Non-human Primate | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | 72 | | | 72 |
| 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)

| | | |
|--|---|-------------|
| | NAME & TITLE OF CEO OR INSTITUTIONAL OFFICIAL (Type or Print) | DATE SIGNED |
| | | 11/13/02 |

EG
12/13/02

Springborn Laboratories, Inc. (31-R-0016)

Section 3. Reporting Facility

Springborn Laboratories, Inc.
A Charles River Company
640 N. Elizabeth Street
Spencerville, OH 45887

Springborn Laboratories, Inc.
A Charles River Company
553 N. Broadway
Spencerville, OH 45887

Springborn Laboratories, Inc. (31-R-0016)**Section E.8**

Thirty-six rabbits experienced very brief discomfort resulting from test article administration during preclinical toxicology testing. These animals were used on dermal toxicity (21 rabbits), primary eye irritation (14 rabbits), an intravaginal toxicity study (1 rabbit), and one safety study (1 guinea pig). Two rabbits were humanely euthanized due to mechanical/accidental injury to themselves. These studies are required by the U.S. EPA Health Effects Test Guidelines and the U.S. FDA Guidelines for development of human safety data. The specific guidelines are presented below:

| | |
|--------------------|--|
| Dermal Toxicity: | US EPA, Health Effects Test Guidelines, OPPTS 870.1200, Acute Dermal Toxicity, August 1998. |
| Eye Irritation | US EPA, Health Effects Test Guidelines, OPPTS 870.2400, Acute Eye Irritation, August 1998. |
| Intravaginal Study | US FDA, Toxicological Principles for the Safety of Food Ingredients, Redbook 2000, July 7, 2000. |
| Safety Study | Potency Testing of a Labeled Preparation of Botulinum Toxin Type B, 21 CFR 211 and 21 CFR 610 (in-process and release testing of the product). |

For the primary eye studies, the ocular tissue is not anesthetized since inhibition of the blink and/or tear response may alter the experimental results. In addition, the local anesthetic agents may interact with the test article altering the ocular response. Some local anesthetics can also cause loss of the surface cells of the cornea and delay corneal epithelial regeneration.

The dermal, acute toxicity and safety studies were conducted to monitor several endpoints, including clinical effects, body weight effects, lethality and reversible toxicity. Since lethality and reversible toxicity are specific endpoints in these evaluations, administration of sedatives, tranquilizers and/or analgesics could interfere with these endpoints. If no mortality is produced by administration of a specific dose level, no further testing is required under the guidelines, thus eliminating unnecessary animal testing.

Five dogs experienced brief discomfort following test article administration. The animals were affected after the initial dose. One dog died after cessation of dosing. Fourteen dogs were euthanized early due to development of significant clinical signs of toxicity, which were drug-related test effects. The studies were required by the FDA for development of human safety data utilizing the guidelines published in the US FDA, Toxicological Principles for the Safety of Food Ingredients, Redbook 2000, July 7, 2000.

NOV 25 2002

gp

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: 31-R-0021 CUSTOMER NUMBER: 228 | FORM APPROVED OMB NO. 0579-0036 |
| Battelle Memorial Institute 505 King Avenue Columbus, OH 43201 Telephone: (614) -424-7444 | | |

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 | | 311 | 45 | | 356 |
| 5. Cats | | | | | |
| 6. Guinea Pigs | 32 | 1,534 | 834 | 1,366 | 3,734 |
| 7. Hamsters | | | | | |
| 8. Rabbits | 112 | 360 | 985 | 203 | 1,548 |
| 9. Non-human Primate | 75 | 265 | 148 | 122 | 535 |
| 10. Sheep | | | | | |
| 11. Pigs | | | 3 | | 3 |
| 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) | | |
| SIGNATURE: | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | DATE SIGNED 11-20-02 |

EG 12/2/02

FACILITY LOCATIONS

Laboratory Animal Resources Facility

Medical Research Evaluation Facility

Summary of Exceptions to the Regulations or Standards

A. Dog Exercise

1. Exceptions were granted to the dog exercise plan.
2. These exceptions were granted for scientific reasons.
 - a. Telemetry Studies

The dogs had been instrumented with telemetry transmitters for the cardiovascular data collection. Data could only be collected while animals resided in their home cages. Exercise activity would have interfered with data collection and would have confounded data analysis. This baseline and study monitoring occurred while the animals had unrestricted activity within their home cages. These exemptions were of short duration (typically 2 to 3 weeks).

3. Species: Dog
4. Number of animals used: 4

B. Sanitization of Primary Enclosures

1. A one-day delay was granted to the cage change requirement.
2. This delay was granted due to a room change the following day.
3. Species: Primate
4. Number of animals: 17

Column E Explanation Form

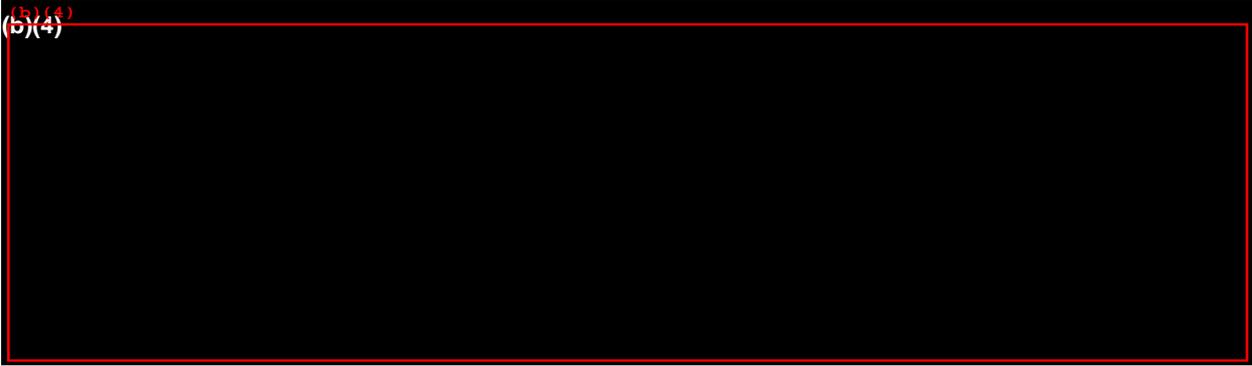
1. Registration Number: 31-R-0021
2. Number of animals used in this study: 53
3. Species (common name) of animals used in this study: Cynomolgus monkey
4. Explain the procedure producing pain and/or distress:

(b) (4)

A large black rectangular redaction box covering the text for question 4.

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.

(b) (4)

A large black rectangular redaction box covering the text for question 5.

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:

Agency: NA

CFR: NA

Column E Explanation Form

1. Registration Number: 31-R-0021
2. Number of animals used in this study: 593
3. Species (common name) of animals used in this study: Guinea pig
4. Explain the procedure producing pain and/or distress:

(b)(4)

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.

(b)(4)

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:

Agency: FDA

CFR: 21 CFR 620.23
AVA licensure requirements

Column E Explanation Form

1. Registration Number: 31-R-0021
2. Number of animals used in this study: 773
3. Species (common name) of animals used in this study: Guinea pig
4. Explain the procedure producing pain and/or distress:

(b) (4)

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.

(b) (4)

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:

Agency: FDA

CFR: 21 CFR 620.23
AVA licensure requirements

Column E Explanation Form

1. Registration Number: 31-R-0021
2. Number of animals used in this study: 55
3. Species (common name) of animals used in this study: Rhesus monkey
4. Explain the procedure producing pain and/or distress:

(b) (4)

A large black rectangular redaction box covering the text for question 4. The text "(b) (4)" is written in red at the top left corner of the box.

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.

(b) (4)

A large black rectangular redaction box covering the text for question 5. The text "(b) (4)" is written in red at the top left corner of the box.

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:

Agency: NA

CFR: NA

Column E Explanation Form

1. Registration Number: 31-R-0021
2. Number of animals used in this study: 131
3. Species (common name) of animals used in this study: Rabbit
4. Explain the procedure producing pain and/or distress:

(b)(4)

A large black rectangular redaction box covering the text of question 4. The text "(b)(4)" is written in red at the top left corner of the box.

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.

(b)(4)

A large black rectangular redaction box covering the text of question 5. The text "(b)(4)" is written in red at the top left corner of the box.

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:

Agency: NA

CFR: NA

Column E Explanation Form

1. Registration Number: 31-R-0021
2. Number of animals used in this study: 14
3. Species (common name) of animals used in this study: Cynomologus monkey
4. Explain the procedure producing pain and/or distress:

(b)(4)

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.

(b)(4)

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:

Agency: NA

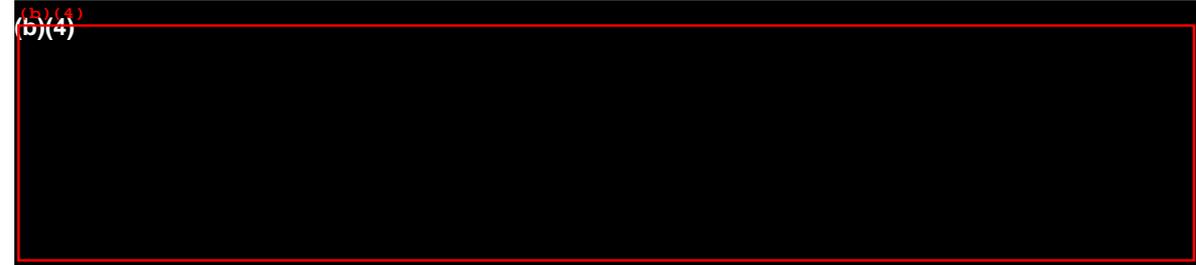
CFR: NA

Column E Explanation Form

1. Registration Number: 31-R-0021
2. Number of animals used in this study: 72
3. Species (common name) of animals used in this study: Rabbit
4. Explain the procedure producing pain and/or distress:

(b)(4)


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.

(b)(4)


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:

Agency: NA

CFR: NA

NOV 29 2002

| | | |
|---|--|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 31-R-0027 CUSTOMER NUMBER: 233 | FORM APPROVED OMB NO. 0579-0038 |
| University Of Cincinnati Research & Advanced Studies P.O. Box 210627 Cincinnati, OH 45221 Telephone: (513)-556-4532 | | |

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 (COLUMN: C + D + E |
|---|--|--|---|---|--|
| 4. Dogs | | 4 | 21 | | 25 |
| 5. Cats | | | 20 | | 20 |
| 6. Guinea Pigs | | 4 | | 166 | 170 |
| 7. Hamsters | | 178 | 438 | | 616 |
| 8. Rabbits | | 60 | 91 | | 151 |
| 9. Non-human Primate | | | | | |
| 10. Sheep | | | 18 | | 18 |
| 11. Pigs | | 8 | 44 | | 52 |
| 12. Other Farm Animals | | | | | |
| 13. Other Animals | | | | | |
| Ferrets | | | 3 | | 3 |
| Gerbils | | 46 | | | 46 |
| Wild Rodents | | 138 | | | 138 |

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 |
| <div style="border: 1px solid red; width: 100%; height: 100%;"></div> | <div style="border: 1px solid red; width: 100%; height: 100%;"></div> | 11/27/02 |

EG 11/27/02

Special Use:

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: 31 - R - 0027

2. Number 96 of animals used in this study.

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

4. Explain the procedure producing pain and/or distress. Protocol # 01-03-13-02

Each guinea pig will receive 100ul of virus intravaginally after breaking the vaginal closure membrane under Isoflurane anesthesia. Intravaginal treatment with 100ul of dendrimer will start at 4h, 12h, and 24h post-virus inoculation. Treatment will be 3 times daily at 6h intervals for 6 days and once daily for 4 more days. Animals will be slightly anesthetized at each treatment time. Vaginal swabs will be taken on days 2,7,12,17,22,27, 32 and 37. The guinea pigs will be monitored daily for HSV genital lesions until day 40 when they will be euthanized by Co2 inhalation.

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)

Most analgesics have anti-inflammatory activity. The experiments are to study the effects of the dendrimers on HSV induced genital inflammation and thus any drug that has anti-inflammatory activity will compromise the results. The para-amino phenol derivative analgesics are not anti-inflammatory but multiple daily doses may lead to hepatotoxicity and increased mortality. The use of Isoflurane anesthesia is to offer some relief from the pain that is expected from daily inoculation of drug intravaginally.

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 _____

Special Use:

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: 31 - R - 0027

2. Number 70 of animals used in this study.

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

4. Explain the procedure producing pain and/or distress. Protocol # 01-03-23-01

Each guinea pig will receive 100ul of dendrimer intravaginally after breaking the vaginal closure membrane under iso flurane anesthesia. Intravaginal inoculation of 100ul of virus will start at 20 sec, 5min, and 20 min post dendrimer treatment. Vaginal swabs will be taken on days 2,7,12,17,22,27,32, and 37. The guinea pig will be monitored daily for HSV genital lesions until day 40 when they will be euthanized by Co2 inhalation.

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)

Most analgesics have anti-inflammatory activity. The experiments are to study the effects of the dendrimers on HSV induced genital inflammation and thus any drug that has anti-inflammatory activity will compromise the results. The para-amino phenol derivative analgesics are not anti-inflammatory increase mortality.

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 _____

31R27

APHIS Form 7023 Site List

Registration Number: 31-R-0027
Customer Number: 233
Facility: UNIVERSITY OF CINCINNATI
RESEARCH & ADVANCED STUDIES
P.O. Box 210627
CINCINNATI, OH 45221
(513) 566-4532

MEDICAL SCIENCES BUILDING

KETTERING LAB COMPLEX

CARDIOVASCULAR RESEARCH CENTER

CROSLEY TOWER

RIEVESCHL HALL

FRENCH EAST

VONTZ CENTER

Health Professional Building

| | | |
|---|--|--|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) Case Western Reserve University Metro Health Medical Center | 1. CERTIFICATE NUMBER: 31-R-0028 CUSTOMER NUMBER: 234 | FORM APPROVED OMB NO. 0579-0036 <div style="text-align: right; font-size: 1.5em; font-weight: bold;">DEC 12 2002</div> |
| Case Western Reserve University 10900 Euclid Ave Cleveland, OH 44106 Telephone: (216) -368-4432 | | |

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, 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 | 32 | 16 | 289 | 8 | 313 |
| 5. Cats | 9 | 5 | 30 | | 35 |
| 6. Guinea Pigs | 43 | 462 | 374 | | 836 |
| 7. Hamsters | 0 | | | | 0 |
| 8. Rabbits | 82 | 158 | 692 | | 850 |
| 9. Non-human Primate | 0 | | | | 0 |
| 10. Sheep | 0 | | | | 0 |
| 11. Pigs | 19 | | 394 | | 394 |
| 12. Other Farm Animals | | | | | |
| Gerbil | 34 | 177 | 29 | | 206 |
| 13. Other Animals | | | | | |
| Ferret | 0 | 39 | 29 | | 68 |
| Frog | 16 | 48 | 32 | | 80 |

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 |
| | | 11/8/02 |

KACC

1. Registration Number: 31-R-0028

2. 8 animals were used in this study.

3. Dog

4. The dogs assigned to a Category E procedure received surgically implanted pacemakers followed by rapid ventricular pacing to induce heart failure, a condition required in the experimental model.

5. With the progression of pacing many signs of heart failure occur (ascites, tachypnea and congestion) which may be distressful in the later stages but which must be present prior to conducting the terminal portion of the experiment. Pharmacologic or other therapies to alleviate signs of congestive heart failure may not be used as they would adversely effect the experimental model and results obtained. The dogs are observed at least daily by veterinary and veterinary technical staff. The continued presence for 3 or 4 days of persistence and progression of cough, tachypnea, muscle wasting, anorexia or large ascites indicates the presence of distress and is addressed by turning down the pacing rate. If the signs of distress do not improve the pacemaker is turned off and the terminal study is scheduled in 1 to 5 days, or if this is impossible, the dog is euthanized.

A review of the medical records for these dogs indicated that no dogs died, became moribund or recumbent as a result of the induced heart failure. While most dogs developed clinically apparent ascites, none exhibited respiratory distress at rest and all but two continued to display normal appetite and stool at the time of experimental euthanasia.

6. None

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 31-R-0089
CUSTOMER NUMBER: 253

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Wil Research Laboratories, Inc.
1407 George Road
Ashland, OH 44805

Telephone: (419) -289-8700

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)

| 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) |
|---|---|---|--|---|--|
| Dogs | 20 | 712 | 189 | 0 | 901 |
| Cats | | | | | 0 |
| Guinea Pigs | 0 | 620 | 0 | 4 | 624 |
| Hamsters | | | | | 0 |
| Rabbits | 50 | 2364 | 0 | 4 | 2368 |
| Non-human Primate | 38 | 56 | 14 | 0 | 70 |
| Sheep | | | | | 0 |
| Pigs | 0 | 16 | 30 | 0 | 46 |
| Other Farm Animals | 0 | | | | 0 |
| 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.
- 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 INSTITUTIONAL OFFICIAL | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | DATE SIGNED |
| | | 11/22/02 |

EG 12/2/02

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 31-R-0089
CUSTOMER NUMBER: 253

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Wil Research Laboratories, Inc.
1407 George Road
Ashland, OH 44805

MAY 15 2003

Telephone: (419)-289-8700

AMENDED 2002 USDA Report

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 | 20 | 998 | 230 | 0 | 1248 |
| 5. Cats | | | | | 0 |
| 6. Guinea Pigs | 0 | 620 | 0 | 4 | 624 |
| 7. Hamsters | | | | | 0 |
| 8. Rabbits | 50 | 2364 | 0 | 4 | 2368 |
| 9. Non-human Primate | 38 | 56 | 14 | 0 | 70 |
| 10. Sheep | | | | | 0 |
| 11. Pigs | 0 | 16 | 30 | 0 | 46 |
| 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.
- 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

[Redacted Signature]

TITLE

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

[Redacted Name and Title]

DATE SIGNED

5-13-03

USDA Annual Report

Reporting Period- October 1, 2001 through September 30, 2002

Facility Registration Number: 31-R-0089

Category "E" Guinea Pigs

Four guinea pigs were classified under Category "E." They were in a dermal sensitization study and were believed to have suffered pain and/or distress from corrosive skin lesions. The purpose of the study was to evaluate the potential of a test material to elicit delayed contact hypersensitivity when applied topically to guinea pigs. The study was conducted in compliance with the US EPA Good Laboratory Practices (40 CFR Parts 160 and 792). The guinea pigs were evaluated daily by animal health technicians and the condition of their skin was graded for the severity of erythema, edema, eschar formation and fissuring present at the application site. Other signs of pain and/or distress, such as inappetence, weight loss, or vocalization were not observed.

Category "E" Rabbits

Four rabbits were classified under Category "E." All rabbits were in dermal irritation studies and were believed to have suffered pain and/or distress from corrosive skin lesions. The purpose of these studies was to evaluate the irritative effects of test materials when applied topically as a single administration to rabbits. The studies were conducted in compliance with the US EPA Good Laboratory Practices (40 CFR Parts 160 and 792). The rabbits were evaluated daily by animal health technicians and the condition of their skin was graded for the severity of erythema, edema, eschar formation and fissuring present at the application site. Other signs of pain and/or distress, such as inappetence, weight loss, or vocalization were not observed.

NOV 21 2002

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-DOA-AN

| | | | |
|---|---|---------------------|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. REGISTRATION NO. 31-R-0091 | CUSTOMER NO. 254 | FORM APPROVED OMB NO. 0579-0036 |
| | 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) XXXXXX Ricerca Biosciences, LLC 7528 AUBURN ROAD P.O. BOX 1000 Concord PAINESVILLE , OH 44077 (440) (216) 357-3300 | | |

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

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 | | 253 | | | 253 |
| 5. Cats | | 20 | | | 20 |
| 6. Guinea Pigs | | 318 | | 50 | 368 |
| 7. Hamsters | | 26 | | | 26 |
| 8. Rabbits | | 39 | | 52 | 91 |
| 9. Non-Human Primates | | 0 | | | 0 |
| 10. Sheep | | 0 | | | 0 |
| 11. Pigs (mini pigs) | | 11 | | | 11 |
| 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 |
| | | 11/19/02 |

EG
11/26/02

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number: 31-R-0091
Customer Number: 254
Facility: ~~RICERA, LLC~~ Ricercia Biosciences, LLC
7528 AUBURN ROAD
P.O. BOX 1000
Concord ~~PAINESVILLE, OH 44077~~
(440) (246) 357-3300

~~TOXICOLOGY & ANIMAL METABOLISM~~ Pharmacology
LIFE SCIENCE BUILDING
7528 AUBURN ROAD
Concord ~~PAINESVILLE, OH 44077~~

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: 31-R-0091

2. Number 60 of animals used in this study.

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

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

The positive control uses DNCB which produces sores when given ID, interdermal, as required by EPA and OECD.

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)

Federally mandated

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 EPA CFR Title 40, ChI, SubCh R
OECD Guideline 406

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: 31-R-0091

2. Number 52 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.

Materials, solids, liquids, gases are placed onto the skin and into the eye for safety assessment of test material in accordance with EPA and OECD guidelines.

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)

Federally mandated

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 EPA CFR Title 40 Chap I SubChap R

OECD Guidelines 404, 405

| | | |
|---|--|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 31-F-0002 CUSTOMER NUMBER: 442 | FORM APPROVED OMB NO. 0579-0036 |
| Operational Toxicology Branch Air Force Research Laboratory 2760 Q St, Area B, Aft/Hest Wright-Patterson Afb, OH 45433 Telephone: (937)255-7120 | | |

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 838 - Area B - WPAFB 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, 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 | | | 18 | | 18 |
| 9. Non-human Primate | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | 22 | | 22 |
| 12. Other Farm Animals | | | | | |
| 13. Other Animals | | | | | |
| Ferrets | | | 15 | | 15 |

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

W. C. ...

OCT 28 2002

ja

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: 31-F-0003 CUSTOMER NUMBER: 451 | FORM APPROVED OMB NO. 0579-0036 |
| U.S. Environmental Protection Agency National Exposure Research Lab 26 W. Martin Luther King Drive Cincinnati, OH 45268 Telephone: (513) -569-7401 | | |

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 | | | | | |
| Mongolian Gerbil | 0 | 0 | 1,504 | 0 | 1,504 |
| CFI-Mice | 0 | 0 | 761 | 0 | 761 |
| C57BL-6 Mice | 0 | 0 | 940 | 0 | 940 |

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 10/21/02 |
|---|-------------------------|

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.

OCT 2 2002
See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 31-R-0007 CUSTOMER NO. 209

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)
GLIATECH, INC.
23420 COMMERCE PARK ROAD
BEACHWOOD, OH 44122
(216) 831-3200

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

Main Animal Facility

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 | | | 76 | | 76 |
| 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)

DATE SIGNED

10/17/02

HEADQUARTERS

| | | | |
|--|----------------------------------|---------------------|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. REGISTRATION NO. 31-R-0006 | CUSTOMER NO. 208 | FORM APPROVED OMB NO. 0579-0036 |
| 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) UNIVERSITY OF TOLEDO 2801 W. BANCROFT ST. 0263 WOLFE HALL ANIMAL CARE PROGRAM TOLEDO, OH 43606 | | | |
| 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) | |
|--|--|
| UNIVERSITY OF TOLEDO TOLEDO, OH 43606 | |
| | |

| 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 | | 51 | 32 | | 83 |
| 8. Rabbits | 15 | | | | |
| 9. Non-Human Primates | | 3 | 3 | | 6 |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| 13. Other Animals | | | | | |
| Fruit bats | 31 | 4 | 5 | | 9 |
| Lab mice | 37 | 25 | 77 | | 102 |
| Lab rats | 154 | 35 | 189 | | 224 |

- 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 |
| | | 11/22/2002 |

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 31-R-0017
CUSTOMER NUMBER: 223

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Cleveland Clinic Foundation
Research Institute
Biological Resources Unit/Ff6-04
9500 Euclid Ave
Cleveland, OH 44195

Telephone: (216) -444-2055

DEC 02 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 | 7 | 0 | 357 | 0 | 357 |
| 5. Cats | 0 | 0 | 0 | 0 | 0 |
| 6. Guinea Pigs | 0 | 0 | 0 | 0 | 0 |
| 7. Hamsters | 0 | 0 | 0 | 0 | 0 |
| 8. Rabbits | 3 | 12 | 221 | 0 | 233 |
| 9. Non-human Primate | 0 | 7 | 2 | 0 | 9 |
| 10. Sheep | 2 | 0 | 53 | 0 | 53 |
| 11. Pigs | 0 | 0 | 222 | 0 | 222 |
| 12. Other Farm Animals | | | | | |
| Calves | 0 | 0 | 33 | 0 | 33 |
| 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)



APHIS Form 7023 – Cleveland Clinic Foundation Research Institute 31-R-0017
Facility Locations Attachment

Cleveland Clinic Foundation Research Institute
Cleveland, OH 44195

Farm
Wakeman, OH

Northeastern Ohio Universities College of Medicine
Rootstown, OH 44272

NOV 18 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 *[Signature]*

| | | |
|---|---|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 31-R-0018 CUSTOMER NUMBER: 211 | FORM APPROVED OMB NO. 0579-0036 |
| | Iams Company, The Paul F. Iams Technical Center 7250 Poe Avenue Dayton, OH 45414 Telephone: (937) -415-8823 | |

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 | 27 | 113 | 0 | 0 | 140 |
| 5. Cats | 15 | 194 | 0 | 0 | 209 |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | | | |
| 8. Rabbits | | | | | |
| 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

[Redacted Signature Area]

DATE SIGNED
11/8/02

| | | |
|---|--|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 31-R-0023 CUSTOMER NUMBER: 230 | FORM APPROVED OMB NO. 0579-C036 |
| Good Samaritan Hospital Dept. Of Medical Research 375 Dixmyth Avenue Cincinnati, OH 45220 Telephone: (513) -872-1850 | | |

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 | | | 29 | | 29 |
| 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)

Sig: _____
 AP: _____

DATE SIGNED
 11-7-02

| | | | |
|--|----------------------------------|---------------------|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. REGISTRATION NO. 31-R-0026 | CUSTOMER NO. 232 | FORM APPROVED OMB NO. 0579-0036 |
| 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) BOWLING GREEN STATE UNIVERSITY 120 MCFALL CENTER BOWLING GREEN, OH 43403 | | | |
| 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) | |
|---|--|
| BOWLING GREEN UNIVERSITY BOWLING GREEN, OH 43403 | |

| 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 | | | | | |
| Deer Mice | 63 | | | | |
| | | | | | |
| | | | | | |

- 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 |
| | | 11/05/2002 |

OCT 17 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. *sp*

| | | |
|--|--|--|
| <p>UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE</p> <p>ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)</p> | <p>1. CERTIFICATE NUMBER: 31-R-0029 CUSTOMER NUMBER: 235</p> | <p>FORM APPROVED OMB NO. 0579-0036</p> |
| <p>Miami University Oast 102 Roudebush Hall 500 East High Street Oxford, OH 45056</p> <p>Telephone: (513) -529-5435</p> | | |

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)

Pearson Hall
Benton Hall

FACILITY LOCATIONS (Sites) - See Attached Listing

Boyd Hall

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHS 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 | 25 | | 28 | | 28 |
| 9. Non-human Primate | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| 13. Other Animals | | | | | |
| pine Vole | 172 | 450 | | | 450 |
| meadow voles | 161 | 164 | | | 164 |
| house mice | 124 | 1,031 | | | 1,031 |
| Prairie Vole | 306 | 972 | | | 972 |

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)

SIC

AP+

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Hipple Cancer Research Center, Inc.
4100 S. Kettering Blvd
Dayton, OH 45439
Telephone: (937) -293-8508

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, 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 | | | | | 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)

[Redacted Signature Box]

DATE SIGNED
12-23-02

NOV 22 2002

| | | |
|---|--|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 31-R-0033 CUSTOMER NUMBER: 237 | FORM APPROVED OMB NO. 0579-0038 |
| Akron City Hospital Campus Summa Health System Research Administration 5 525 E. Market Street Akron, OH 44304 Telephone: (330) -375-4045 | | |

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, 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 | | | 33 | | 33 |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | | | |
| 8. Rabbits | | | | | |
| 9. Non-human Primate | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | 31 | | 31 |
| 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)

SIGNATURE OF C

TE SIGNED

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number: 31-R-0033
Customer Number: 237
Facility: AKRON CITY HOSPITAL CAMPUS
RESEARCH ADMINISTRATION 5
525 E. MARKET STREET
AKRON, OH 44309
(330) 375-4045

SURGICAL RESEARCH BLDG
525 EAST MARKET STREET
P O BOX 2090
5TH FLOOR
AKRON, OH 44304

NEUCOM
4209 SR 44
ROOTSTOWN, OH 44272

| | | |
|--|--|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 31-R-0034 CUSTOMER NUMBER: 238 | FORM APPROVED OMB NO. 0579-0036 |
| Ethicon Endo-Surgery, Inc. Surgical Research/Development - Preclinical Research/ 4545 Creek Road Development Cincinnati, OH 45242 Telephone: (513) -337-8201 | | |

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)

Headquarters only at above address 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 | 14 | | 23 | | 23 |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | | | |
| 8. Rabbits | | | | | |
| 9. Non-human Primate | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | 45 | | 1,285 | | 1,285 |
| 12. Other Farm Animals | | | | | |
| Goats | 0 | | 17 | | 17 |
| 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 10-25-02 |
|---|-------------------------|

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

OCT 07 2002

1. CERTIFICATE NUMBER: 31-R-0038

CUSTOMER NUMBER: 239

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Shriners Hospital For Children
Cincinnati Burn Unit
3229 Burnet Avenue
Cincinnati, OH 45229

Telephone: (513) -872-6344

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)

Research Support Division
5th Floor

FACILITY LOCATIONS (Sites) - See Attached Listing

3229 Burnet Avunue
Cincinnati, OH - Hamilton Co.

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, 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 | 0 | 0 | 0 | 0 | 0 |
| 7. Hamsters | 0 | 0 | 0 | 0 | 0 |
| 8. Rabbits | 0 | 0 | 0 | 0 | 0 |
| 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

DATE SIGNED

10/1/02

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

OCT 07 2002

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

1. CERTIFICATE NUMBER: 31-R-0040
CUSTOMER NUMBER: 8740

FORM APPROVED
OMB NO. 0579-0038

Ohio Northern University
525 South Main Street
Ada, OH 45810

Telephone: (419)-772-2033

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)

1. Raabe College of Pharmacy
2. Dept. of Biological Sciences
3. Dept. of Psychology

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 | | | | | |
| | | | | No covered animals are | 0 |
| | | | | being used at this time. | |

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)

SIGN

DATE SIGNED

9-23-02

APHIS

| | | |
|---|--|--|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 31-R-0043 CUSTOMER NUMBER: 240 | FORM APPROVED OMB NO. 0579-0036 |
| Medical College Of Ohio Health Education Building 3055 Arlington Ave. Toledo, OH 43614 Telephone: (419) -383-4310 | | |

NOV 18 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)

Health Education/Block Health FACILITY LOCATIONS (Sites) - See Attached Listing
 Science Buildings

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 | 13 | 0 | 13 |
| 5. Cats | 0 | 0 | 0 | 0 | 0 |
| 6. Guinea Pigs | 0 | 9 | 0 | 0 | 9 |
| 7. Hamsters | 0 | 14 | 0 | 0 | 14 |
| 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 | 30 | 26 | 0 | 56 |
| 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 11/7/2002 |
|--|--------------------------|

SEP 26 2002

| | | |
|---|--|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 31-R-0049 CUSTOMER NUMBER: 241 | FORM APPROVED OMB NO. 0579-0036 |
| Ohio Wesleyan University 61 S. Sandusky Street Delaware, OH 43015 Telephone: (614) -368-3111 | | |

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 | | | | | - 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



DATE SIGNED
9-25-02

| | | |
|---|--|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 31-R-0053 CUSTOMER NUMBER: 229 | FORM APPROVED OMB NO. 0579-0036 |
| Hiram College Hinsdale Hall P.O. Box 1838 Hiram, OH 44234 Telephone: (216) -569-5264 | | |

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 *Bates Hall*

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, 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 | 10 | 0 | 0 | 10 |
| 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
9/27/02

| | | |
|--|--|---|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE <div style="font-size: 2em; font-weight: bold; margin: 10px 0;">DEC 18 2002</div> ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 31-R-0054 CUSTOMER NUMBER: 242 | FORM APPROVED OMB NO. 0579-0036 <i>CR</i> |
| VPAA College Of Wooster, The 934 College Street 1189 Beall Ave Wooster, OH 44691-2363 Telephone: (216) -263-2461 330 2004 | | |

2. 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 * | 2 | 2 | 0 | 0 | 2 |
| 7. Hamsters | | | | | |
| 8. Rabbits | | | | | |
| 9. Non-human Primate* | 8 | 8 | 0 | 0 | 8 |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| 13. Other Animals | | | | | |
| * Rats (Psychology) | 32 | 32 | 0 | 0 | 32 |
| ** Rats (Biology) | 120 | 120 | 0 | 0 | 120 |
| ** Mice (Biology) | 80 | 80 | | | 80 |

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 |
| 12/1/02 |

12/16/02

31 20054

Office of the Vice President for Academic Affairs
The College of Wooster
1189 Beall Avenue
Wooster, OH 44691-2363

*Psychology Department animal locations during 2002:
Kauke Hall – January 1, 2002, through December 8, 2002
400 University Street East
Wooster, OH 44691

Burton D. Morgan Hall – effective December 9, 2002
930 College Mall
Wooster, OH 44691

**Biology Department location:
Mateer Hall
931 College Mall
Wooster, OH 44691

cp

| | | | |
|--|----------------------------------|---------------------|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. REGISTRATION NO. 31-R-0055 | CUSTOMER NO. 243 | FORM APPROVED OMB NO. 0579-0036 |
| 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) WRIGHT STATE UNIVERSITY LABORATORY ANIMAL RESOURCES 053 HEALTH SCIENCES DAYTON, OH 45435 (513) 873-2312 | | | |
| 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.) | | | |

NOV 29 2002

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 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 | 0 | 0 | 0 | 0 |
| 5. Cats | 1 | 0 | 1 | 0 | 1 |
| 6. Guinea Pigs | 0 | 218 | 171 | 0 | 389 |
| 7. Hamsters | 0 | 3 | 36 | 0 | 39 |
| 8. Rabbits | 0 | 0 | 86 | 0 | 86 |
| 9. Non-Human Primates | 0 | 0 | 2 | 0 | 2 |
| 10. Sheep | 0 | 0 | 2 | 0 | 2 |
| 11. Pigs | 0 | 0 | 0 | 0 | 0 |
| 12. Other Farm Animals | 0 | 0 | 0 | 0 | 0 |
| 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)

| | |
|---|-------------------------|
| S | DATE SIGNED 11/25/02 |
|---|-------------------------|

FACILITY SITES LISTING

Licensee/Registrant Name: Wright State University

License/Registration Number: 31-R-055

Please list below all sites that house regulated animals under the above number. Be sure to include all requested information. If the line does not apply, please mark it N/A. If you have more than three (3) sites copy this form as many times as needed before filling in the sites.

Site No.: 1 Name/Department: Laboratory Animal Resources - Dayton Veterans Affairs Facility
Address: 4100 West Third Street
Dayton, OH 45428
Building: Veterans Administration Hospital
Floor/Room: Building # 315 - Research Services
Contact Person: [REDACTED] Phone No.: [REDACTED]

Site No.: 2 Name/Department: Laboratory Animal Resources - Fawcett Hall Animal Facility
Address: Fifth Floor, Fawcett Hall
Dayton, OH 45435
Building: Fawcett Hall
Floor/Room: 514A & 514B Fawcett Hall
Contact Person: [REDACTED] Phone No.: [REDACTED]

Site No.: 4 Name/Department: Laboratory Animal Resources - Receiving and Conditioning Building
Address: Receiving and Conditioning Building - W.S.U.
Dayton, OH 45435
Building: Receiving and Conditioning
Floor/Room: _____
Contact Person: [REDACTED] Phone No.: [REDACTED]

FACILITY SITES LISTING

Licensee/Registrant Name: Wright State University

License/Registration Number: 31-R-055

Please list below all sites that house regulated animals under the above number. Be sure to include all requested information. If the line does not apply, please mark it N/A. If you have more than three (3) sites copy this form as many times as needed before filling in the sites.

Site No.: 5 Name/Department: Laboratory Animal Resources - Cox Research Institute Animal Facility

Address: 3525 Southern Boulevard

Dayton, OH 45429

Building: Cox Heart Institute

Floor/Room: _____

Contact Person: _____

Phone No.: _____

Site No.: 6 Name/Department: Laboratory Animal Resources - Health Sciences Facility

Address: 053 Health Sciences

Dayton, OH 45435

Building: Biological Sciences/Health Sciences

Floor/Room: 053 Health Sciences

Contact Person: _____

Phone No.: _____

Site No.: _____ Name/Department: _____

Address: _____

Building: _____

Floor/Room: _____

Contact Person: _____

Phone No.: _____

OCT 04 2002

Jan

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.:

| | | |
|---|--|--|
| <p>UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE</p> <p>ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)</p> | <p>1. CERTIFICATE NUMBER: 31-R-0058 CUSTOMER NUMBER: 244</p> | <p>FORM APPROVED OMB NO. 0579-0036</p> |
| <p>Cleveland State University Programs & Research 1983 East 24th Street Fenn Tower 1010 Cleveland, OH 44115</p> <p>Telephone: (216) -687-3630</p> | | |

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, 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 | 0 | 8 | | | 8 |
| 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 |
| | 9/30/02 |

Annual Report of Research Facility

The only entry required for this report is that for rabbits (Item 8, under REPORT OF ANIMALS USED BY OF UNDER CONTROL OF RESEARCH FACILITY), for which we must enter 8 in column C. of the table. These are the only USDA regulated animal that were housed in the facility during the Federal fiscal year. Although we house mice and rats, such species under the AWA are excluded from the category of regulated animals, and are therefore not considered to be animals. Likewise, cold-blooded animals are excluded from the category of regulated animals so that it is not required to report toads and turtles. An excerpt from the USDA website giving the definition of 'Animal' is provided, below.

[Code of Federal Regulations]

[Title 9, Volume 1, Parts 1 to 199]

[Revised as of January 1, 1999]

From the U.S. Government Printing Office via GPO Access

TITLE 9--ANIMALS AND ANIMAL PRODUCTS

CHAPTER I--ANIMAL AND PLANT HEALTH INSPECTION SERVICE, DEPARTMENT OF AGRICULTURE

PART 1--DEFINITION OF TERMS--Table of Contents

Sec. 1.1 Definitions.

Animal means any live or dead dog, cat, nonhuman primate, guinea pig, hamster, rabbit, or any other warmblooded animal, which is being used, or is intended for use for research, teaching, testing, experimentation, or exhibition purposes, or as a pet. This term excludes: Birds, rats of the genus *Rattus* and mice of the genus *Mus* bred for use in research, and horses not used for research purposes and other farm animals, such as, but not limited to livestock or poultry, used or intended for use as food or fiber, or livestock or poultry used or intended for use for improving animal nutrition, breeding, management, or production efficiency, or for improving the quality of food or fiber. With respect to a dog, the term means all dogs, including those used for hunting, security, or breeding purposes.

| | | | |
|---|----------------------------------|---------------------|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. REGISTRATION NO. 31-R-0059 | CUSTOMER NO. 245 | FORM APPROVED OMB NO. 0579-0036 |
| 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) MILACRON, INCORPORATED 3000 DISNEY STREET CINCINNATI, OH 45209 | | | |

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) | |
|--|--|
| MILACRON, INC. CINCINNATI, OH 45209 | |
| | |

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 | 10 | 247 | 74 | | 321 |
| 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 |
| | | 11/05/2002 |

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 31-R-0061
CUSTOMER NUMBER: 525

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

St. Vincent Mercy Medical Center
2213 Cherry Street
Toledo, OH 43608

Telephone: (419) -251-2701

OCT 28 2002

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)

Douglass Research

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 | | | 5 | | 5 |
| 6. Guinea Pigs | | | | | 0 |
| 7. Hamsters | | | | | 0 |
| 8. Rabbits | | | | | 0 |
| 9. Non-human Primate | | | | | 0 |
| 10. Sheep | | | | | 0 |
| 11. Pigs | | | 43 | | 43 |
| 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.
- 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 line with a red box for the signature.

DATE SIGNED
9/26/02

| | | |
|---|--|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 31-R-0063 CUSTOMER NUMBER: 246 | FORM APPROVED OMB NO. 0579-0036 |
| Meridia Huron Hospital 13951 Terrace Road East Cleveland, OH 44112 Telephone: (216) -761-3300 | | |

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 | 2 | | | | 2 |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | | | |
| 8. Rabbits | | | | | |
| 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 <i>01/24/02</i> |
|--|--------------------------------|

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

| | | |
|---|---------------------|------------------------------------|
| 1. REGISTRATION NO. 31-R-0088 | CUSTOMER NO. 236 | FORM APPROVED OMB NO. 0579-0036 |
| 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) | | |
| YOUNGSTOWN STATE UNIVERSITY ONE UNIVERSITY PLAZA YOUNGSTOWN, OH 44555 (330) 742-3091 | | |

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)

See Attached Listing

Main Campus Facilities
One University Plaza
Ward Beecher Hall; Youngstown, OH 44555

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7022A)

| 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 (Calc. C + D + E) |
|--|---|---|---|--|---|
| 4. Dogs | | | | | |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | 81 | 60 | 8 | 0 | 48 |
| 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)

SIG

APH

DATE SIGNED

12/16/02

HEADQUARTERS

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number: 31-R-0066
Customer Number: 236
Facility: YOUNGSTOWN STATE UNIVERSITY
ONE UNIVERSITY PLAZA
YOUNGSTOWN, OH 44555
(330) 742-3091

MAIN CAMPUS FACILITIES
ONE UNIVERSITY PLAZA
WARD BEECHER HALL
YOUNGSTOWN, OH 44555

~~NEQUCOM
DOG HOLDING FACILITY
4289 STATE ROUTE 44
ROOTSTOWN, OH 44272~~

*no longer part
of ysu facilities*

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-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.
31-R-0087

CUSTOMER NO.
248

FORM APPROVED
OMB NO. 0579-0038

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

NOV 15 2002

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

CUYAHOGA COMMUNITY COLLEGE
11000 PLEASANT VALLEY ROAD
PARMA, OH 44130
(216) 987-5450

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

FACILITY LOCATIONS(sites)

See Attached Listing

above (2)

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

| A. Animals Covered By The Animal Welfare Regulations | B. Number of 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 | 18 | 0 | 18 | 0 | 18 |
| 5. Cats | 19 | 0 | 19 | 0 | 19 |
| 6. Guinea Pigs | 0 | 0 | 0 | 0 | 0 |
| 7. Hamsters | 9 | 9 | 0 | 0 | 9 |
| 8. Rabbits | 2 | 0 | 2 | 0 | 2 |
| 9. Non-Human Primates | 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 | | | | | |
| Gerbils | 7 | 7 | 0 | 0 | 7 |

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)

SIG

DATE SIGNED

APH (AUG 91)

HEADQUARTERS

DEC 02 2002

| | | |
|---|--|--|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 31-R-0068 CUSTOMER NUMBER: 249 | FORM APPROVED OMB NO. 0579-0036 |
| Namsa, Inc. 2261 Tracy Road Northwood, OH 43619 Telephone: (419)-666-9455 | | |

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, 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 | | 2 | 153 | | 155 |
| 5. Cats | | | N/A | | N/A |
| 6. Guinea Pigs | 120 | 13,878 | | | 13,878 |
| 7. Hamsters | | 30 | | | 30 |
| 8. Rabbits | 94 | 5,324 | 1,057 | | 6,381 |
| 9. Non-human Primate | | | N/A | | N/A |
| 10. Sheep | | | N/A | | N/A |
| 11. Pigs | 6 | | 41 | | 41 |
| 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)

| | | |
|-----|--|-------------------------|
| SIC | | DATE SIGNED 11-27-02 |
| APH | | |

John

| | | |
|--|---|---|
| <p>UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE</p> <p>ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)</p> | <p>1. CERTIFICATE NUMBER: 31-R-0072 CUSTOMER NUMBER: 526</p> | <p>FORM APPROVED OMB NO. 0579-0036</p> |
| <p>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)</p> | | |

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 1

| 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 | 0 | 0 | 0 | 0 | 0 |
| 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, receipt, 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

NOV 25 2002

| | | |
|---|--|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 31-R-0082 CUSTOMER NUMBER: 251 | FORM APPROVED OMB NO. 0579-0036 |
| Ohio University Dept. Of Laboratory Animal Res 085 Grosvenor Hall Athens, OH 45701 Telephone: (740) -593-0370 | | |

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 | 6 | 0 | 1 | 0 | 1 |
| 6. Guinea Pigs | 0 | 0 | 0 | 0 | 0 |
| 7. Hamsters | 253 | 0 | 370 | 0 | 370 |
| 8. Rabbits | 4 | 0 | 21 | 0 | 21 |
| 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 | | | | | |
| monodelphus | 0 | 0 | 5 | 0 | 5 |
| chipmunks | 0 | 0 | 10 | 0 | 10 |
| red squirrels | 0 | 0 | 4 | 0 | 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 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
11/27/02

NOV 25 2002

attached form for additional information

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 31-R-0088
CUSTOMER NUMBER: 252

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Columbus State Community College
550 E. Spring Street
Columbus, OH 43216

Telephone: (614) -287-2400

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 | 13 | | 26 | | 26 |
| 5. Cats | 9 | | 29 | | 29 |
| 6. Guinea Pigs | 8 | 8 | | | 8 |
| 7. Hamsters | | | | | |
| 8. Rabbits | 4 | 4 | | | 4 |
| 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)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

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

DATE SIGNED

APHIS FC
(AUG 01)

| | | |
|---|--|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 31-R-0092 CUSTOMER NUMBER: 255 | FORM APPROVED OMB NO. 0579-0036 |
| Northeastern Ohio Universities College Of Medicine 4209 State Route 44 P.O. Box 95 Rootstown, OH 44272 Telephone: (330)-325-6556 | | |

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)

Comparative Medicine Unit 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 | 45 | 0 | 45 |
| 5. Cats | 0 | 0 | 6 | 0 | 6 |
| 6. Guinea Pigs | 0 | 0 | 46 | 0 | 46 |
| 7. Hamsters | 0 | 0 | 0 | 0 | 0 |
| 8. Rabbits | 0 | 0 | 61 | 0 | 61 |
| 9. Non-human Primate | 0 | 0 | 0 | 0 | 0 |
| 10. Sheep | 0 | 0 | 0 | 0 | 0 |
| 11. Pigs | 0 | 0 | 27 | 0 | 27 |
| 12. Other Farm Animals | | | | | |
| 13. Other Animals | | | | | |
| Bats | 39 | 0 | 34 | 0 | 34 |
| Ferrets | 0 | 0 | 4 | 0 | 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 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)

| | | | |
|-------|--|-------------|---------|
| SIGN | | DATE SIGNED | 11/5/02 |
| APHIS | | | |

31 R 0092

FACILITY LOCATIONS

Summa Health System
Falor Center for Surgical Research
525 East Market Street
Akron, OH 44304
PHONE: (330) 375-7543

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 31-R-0097
CUSTOMER NUMBER: 256

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Meridian Diagnostics, Inc.
3471 River Hills Drive
Cincinnati, OH 45244

Telephone: (513) -271-3700

DEC 16 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 | 44 | | | | 44 |
| 9. Non-human Primate | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| 13. Other Animals | | | | | |
| GOATS | 18 | | | | 18 |

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 Equivalent Responsible Institutional Official)

| | | |
|--|-------------------------------|-------------------------|
| SIGN:  | AL OFFICIAL (Type or Print) | DATE SIGNED 12-13-02 |
|--|-------------------------------|-------------------------|

| | | | |
|---|---|----------------------------|---|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. REGISTRATION NO. 31-R-0100 | CUSTOMER NO. 247 | FORM APPROVED OMB NO. 0579-0036 |
| 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) CENTER FOR CONS.&RESEARCH OF ENDANGERED WILDLIFE 3400 VINE STREET CINCINNATI, OH 45220 | | | |
| 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) | |
|---|--|
| CENTER FOR REPRODUCTION OF ENDANGERD WILDLIFE CINCINNATI, OH 45220 | |

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 | 2 | 17 | 44 | | 61 |
| 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 |
| | | 10/25/2002 |

OCT 10 2002

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 31-R-0102
CUSTOMER NUMBER: 259

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Akron General Medical Center
400 Wabash Avenue
Akron, OH 44307

Telephone: (330) -344-6084

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 | | | | | |
| | | NO COVERED SPECIES | | | |

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)

SI
AP

DEC 13 2002 *for*

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: 31-R-0104 CUSTOMER NUMBER: 260 | FORM APPROVED OMB NO. 0579-0036 |
| | L C A-Vision Inc. Laser Centers Of America 7840 Montgomery Road Cincinnati, OH 45236 Telephone: (513)-792-8292 | |

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 APHS Form 7823A)

| 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 | | | | | |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | | | |
| 8. Rabbits | | | 0 | | 0 |
| 9. Non-human Primates | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | 0 | | 0 |
| 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.

use to painful procedures.

more under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal of Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the exceptions, a brief explanation of the exceptions, as well as the species and number of animals affected.

use 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)

ICIAL (Type or Print

DATE SIGNED

12/10/02

ICT 68), which is obsolete.

SI
 AP

Jan

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 31-R-0112 CUSTOMER NO. 1803 FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

DEC 11 2002

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)
OBERLIN COLLEGE
70 N. PROFESSOR ST. OBERLIN, OH 44074
(440) 7758309
OBERLIN COLLEGE CHEMISTRY DEPARTMENT
119 WOODLAND ST OBERLIN, OH 44074

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.) Science Center Animal Facility, Neuroscience Program, Biology Department

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 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 | 4 | 39 | 56 | 0 | 95 |
| 7. Hamsters | | | | | |
| 8. Rabbits | | | | | |
| 9. Non-Human Primates | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| 13. Other Animals | | | | | |
| Brazilian gray Opossums | 31 | 0 | 15 | 0 | 15 |

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 2142)

S
A

DATE SIGNED

12/10/02
ADQUARTERS

APHIS Form 7023 Site List

The following sites have been reported by the facility.

| | | | |
|----------------------|--------------------------------|--|-----------------|
| Registration Number: | 31-R-0112 | OBERLIN COLLEGE | |
| Customer Number: | 1803 | ^{(b)(6), (b)(7)c} (b)(6), (b)(7)c | CHEMISTRY DEPT. |
| Facility: | OBERLIN COLLEGE | 119 WOODLAND ST. | |
| | 70 N. PROFESSOR ST. | OBERLIN, OH 44074 | |
| | OBERLIN, OH 44074 | (440) 775-8309 | |
| | (440) 775-8401 | | |

OBERLIN COLLEGE
SCIENCE CENTER ANIMAL FACILITY
119 WOODLAND ST
OBERLIN, OH 44074

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.
31-R-0113

CUSTOMER NO.
10115

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)

AHED OF OHIO, INC
5355 SOUTHWYCK BLVD
TOLEDO, OH 43614
(212) 292-4956

DEC 10 2002

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

Stautzenberger College

5355 Southwyck Blvd, Toledo OH 43614

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 | 0 | 109 | 146 | 0 | 255 |
| 5. Cats | 0 | 102 | 265 | 0 | 367 |
| 6. Guinea Pigs | 0 | 1 | 0 | 0 | 1 |
| 7. Hamsters | 0 | 0 | 0 | 0 | 0 |
| 8. Rabbits | 0 | 2 | 0 | 0 | 2 |
| 9. Non-Human Primates | 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 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)

DATE SIGNED

12/2/02

HEADQUARTERS

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 31-R-0114
CUSTOMER NUMBER: 9423

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Q Test, Ltd
Po Box 12381
Columbus, OH 43212

Telephone: (614) -486-7001

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)

6456 FIESTA DRIVE
Columbus, Ohio 43235

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 | 0 | 0 | 314 299 ^{DNH} | 0 | 314 299 ^{DNH} |
| 7. Hamsters | | | | | |
| 8. Rabbits | 0 | 0 | 20 ^{DNH} | 0 | 20 ^{DNH} |
| 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

[Redacted Signature Area]

OFFICIAL (Type or Print)

DATE SIGNED

12-4-02

| | | |
|---|--|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 31-R-0115 CUSTOMER NUMBER: 12049 | FORM APPROVED OMB NO. 0579-0036 |
| B.H.E. Enviromental, Inc. 11733 Chesterdale Rd Cincinnati, OH 45246 Telephone: (513) -326-1500 | | |

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

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 | | | | | |
| see form 7023-A (attached) | | X | | | |

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
 11/25/02

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number: 31-R-0115
Customer Number: 12049
Facility: BHE Environmental, Inc.
11733 Chesterdale Rd.
Cincinnati, OH 45246
(513) 326-1500

BHE Environmental, Inc.
11733 Chesterdale Rd.
Cincinnati, OH 45246

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 31-R-0116

FORM APPROVED
OMB NO. 0579-0036

CUSTOMER NUMBER: 18920

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Children'S Research Institute
700 Childrens Drive
Columbus, OH 43205

Telephone: (614) -722-2700

NOV 21 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 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, 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 (COLUMN C + D + E) |
|--|--|---|--|--|---|
| 4. Dogs | | | | | |
| 5. Cats | | | 11 | | 11 |
| 6. Guinea Pigs | | | 4 | | 4 |
| 7. Hamsters | | 3 | | | 3 |
| 8. Rabbits | 2 | | 4 | | 4 |
| 9. Non-human Primate | 34 | | 162 | | 162 |
| 10. Sheep | | | | | |
| 11. Pigs | | | 233 | | 233 |
| 12. Other Farm Animals | | | | | |
| 13. Other Animals | | | | | |
| Chinchillas | | | 238 | | 238 |

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)

SIG

API

[Redacted Signature Box]

DATE SIGNED

11/19/02