

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. CUSTOMER NO.
34-R-0001 109

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)
UNIVERSITY OF MICHIGAN
1301 CATHERINE STREET
ANN ARBOR, MI 48109

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)

BIOLOGICAL STATION PELLSTON, MI 49769	
ANN ARBOR CAMPUS ANN ARBOR, MI 48109-0614	

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

A.	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	500		505
5. Cats		4	23		27
6. Guinea Pigs		1256	1738		2994
7. Hamsters					
8. Rabbits		293	1174		1467
9. Non-Human Primates		42	71	21	134
10. Sheep		101	93		194
11. Pigs		2	228		230
12. Other Farm Animals					
13. Other Animals					
Opposum		3			3
Weasel		1			1
Bat		34			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 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

11/21/2002

EG 12/21/02

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.

See reverse side for
additional information.

Interagency Report Control No
0180-DOA-AN

ASSURANCE STATEMENTS

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<p style="text-align: center;">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)</p>		
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
		11/21/2002

APHIS Form 7023 Column E Explanation

This form is intended as an aid to completing the APHIS Form 7023 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: 34-R-0001

2/3. Species (common name) & Number of animals used in this study:

Non-Human Primates (21)

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

21 monkeys were used to study the analgesic effects of drugs with a warm water tail-withdrawal procedure. These monkeys have their tails immersed in 40-50C water. The tail is not constrained and the monkeys can remove their tails without restriction.

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)

A variety of opioid and non-opioid analgesics are being studied with this procedure. Administration of analgesics would alter normal responses and interfere with the results of the study.

6. What, if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

Agency: CFR:

NOV 22 2002

See attached form for additional information

Interagency Report Control No.:

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

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

FACILITY LOCATIONS (Sites) - See Attached Listing

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

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4. Dogs	0	0	47	0	47
5. Cats	0	10	22	0	32
6. Guinea Pigs	0	24	145	52	221
7. Hamsters	30	0	401	0	401
8. Rabbits	0	0	17	0	17
9. Non-human Primate	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	5	0	179	0	179
12. Cows Other Farm Animals	0	0	2	0	2
Goats	0	0	3	0	3
13. Other Animals					
Ferrets	0	0	6	0	6
Gerbils	0	0	18	0	18

ASSURANCE STATEMENTS

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N BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(ive Officer or Legally Responsible Institutional Official)

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

| DATE SIGNED

11/20/02

SK
APR
EG
11/27/02

Wayne State University 34-R-0014

**Gordon H. Scott Hall
540 E. Canfield
Detroit, MI 48201**

**Lande Medical Research Building
550 E. Canfield
Detroit, MI 48201**

**Applebaum College of Pharmacy and
Health Sciences @
259 Mack Avenue
Room 5116
Detroit, MI 48201**

**Kresge Eye Institute
4717 St. Antoine Blvd.
Detroit, MI 48201**

**Institute of Environmental Health
Sciences
2727 Second Avenue
Detroit, MI 48201**

**Vaitkevicius Magnetic Imaging
3990 John R Street
Detroit, MI 48201**

**C.S. Mott Center
275 E. Hancock
Detroit, MI 48201**

**Elliman Clinical Research Building
421 E. Canfield
Detroit, MI 48201**

**Biological Science Building
5047 Gullen Mall
Detroit, MI 48201**

**Life Science Building
5000 Gullen Mall
Detroit, MI 48201**

**John Dingell Veteran's Administration Medical Center
4646 John R Street
Detroit, MI 48201**

**Meyer L. Prentis Building
Barbara Ann Karmanos Cancer Institute
110 East Warren Avenue
Detroit, MI 48201**

Attachment

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

Fifty Two Guinea Pigs Reported Under Reporting Code E:

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

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 34-R-0015
CUSTOMER NUMBER: 124

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Pharmacia & Upjohn
301 Henrietta Street
Kalamazoo, MI 49007

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 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	880	412	61	1353	
5. Cats	688	52	0	740	
6. Guinea Pigs	59	233	218	510	
7. Hamsters	140	0	0	140	
8. Rabbits	367	250	260	877	
9. Non-human Primate	510	41	10	561	
10. Sheep	0	0	0	0	
11. Pigs	61	7	0	68	
12. Other Farm Animals		.			
Horses	28	0	0	28	
13. Other Animals					
Gerbils	1025	42	1474	2541	
Ferrets	8	12	0	20	
Chinchilla	3	0	4	7	

ASSURANCE STATEMENTS

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

ITIONAL OFFICIAL

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

DATE SIGNED

11/21/02

EG 12/21/02

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number: 34-R-0015
Customer Number: 124
Facility: PHARMACIA & UPJOHN
301 HENRIETTA STREET
KALAMAZOO, MI 49007

PHARMACIA & UPJOHN
301 HENRIETTA STREET
KALAMAZOO, MI 49007

Explanation of Animal Use Listed in Column E

Attachment to USDA Annual Report
Registration No. 34-R-0015
November 2002

4. Dogs: These sixty-one (61) animals were used in safety/toxicity evaluations, the results of which will be used to support registration of Pharmacia proprietary compounds. Many of these compounds are being developed for the treatment of critical diseases in humans, primarily central nervous system (CNS) disorders and infectious diseases. Studies to characterize the toxicity of new pharmaceuticals are required in non-rodent species by all regulatory agencies that review and approve new human medications, and alternative methodologies alone are not sufficient. [Title 21, Code of Federal Registry (CFR) 58 (Good Laboratory Practice for Non-clinical Laboratory Studies), 312 (Investigational New Drug Applications), CFR 314 (Applications for FDA Approval to Market A New Drug...), CFR 511 (New Animal Drugs for Investigational Use), CFR 514 (New Animal Drug Applications); numerous sections apply in each of these.] In a safety evaluation, administration of analgesics is not possible as analgesics may alter the animals' response to the test compound or otherwise confuse interpretation of the study, which would result in a need to repeat studies, using additional animals. However, other nursing and supportive care is provided by the veterinary staff, as indicated.

6. Guinea Pigs: 205 of these animals(b)(4)

This experimentally induced condition was necessary to provide an accurate model in which to test compounds designed to provide therapeutic benefit. (b)(4) administration of analgesic drugs would not provide relief and they could alter the animals' response to the test compounds or otherwise confuse interpretation of the study. However, animals that experience severe distress are removed from the study conditions, and this always relieves the reaction within minutes.

The remaining thirteen (13) animals experienced unanticipated adverse reactions to drug administration(b)(4)

(b)(4) Animals found to be experiencing these adverse reactions were euthanized immediately. These animals represented <5% of the total animals involved in the study.

8. Rabbits: 256 of these animals(b)(4)

As with other studies designed to provide data to support registration of new clinical entities, administration of analgesics or other anti-inflammatory drugs is not possible as they may alter the animals' response to the test compound or otherwise confuse interpretation of the study, invalidating the resulting data and creating a need to repeat studies with additional animals. (b)(4)

(b)(4)

Supportive and nursing care is provided as indicated, and animals not responding to treatment are euthanized promptly.

The remaining four (4) animals were used in safety/toxicity evaluations, the results of which will be used to support registration of Pharmacia proprietary compounds. (See regulations listed under Dogs, above.) In this type of evaluation, administration of analgesics is not possible as they may alter the animals' response to the test compound or otherwise confuse interpretation of the study, invalidating the resulting data and creating a need to repeat studies using additional animals. However, other nursing and supportive care is provided, as indicated.

9. Non-human Primates:

These ten (10) animals were used in safety/toxicity evaluations, the results of which will be used to support registration of Pharmacia proprietary compounds. (See regulations listed under Dogs, above.) Studies to characterize the toxicity of new pharmaceuticals are required in both rodent and non-rodent species by all regulatory agencies that review and approve new human medications; primates are used as the non-rodent species only when metabolism, kinetics or some other factor precludes the use of purpose-bred beagles in pre-clinical toxicology studies. In this type of evaluation, administration of analgesics is not possible as they may alter the animals' response to the test compound or otherwise confuse interpretation of the study, invalidating the resulting data and creating a need to repeat studies using additional animals. However, other nursing and supportive care is provided by the veterinary staff, as indicated.

13. Other Species

Gerbils: 1463 of these animals (b)(4)

As with other studies designed to provide data to support registration of new clinical entities, administration of analgesics is not possible as they may alter the animals' response to the test compound or otherwise confuse interpretation of the study, invalidating the resulting data and creating a need to repeat studies using additional animals. The potential for confused interpretation is particularly a concern in infectious disease studies, where masking of clinical signs with pain relievers or anti-inflammatory drugs may provide false information on test article efficacy. However, in these situations, other supportive and nursing care is provided as indicated.

The remaining eleven (11) animals (b)(4)

Chinchillas:

These four (4) animals(b)(4)

[REDACTED] As with other studies designed to provide data to support registration of new clinical entities, administration of analgesics is not possible as they may alter the animals' response to the test compound or otherwise confuse interpretation of the study, invalidating the resulting data and creating a need to repeat studies using additional animals.(b)(4)

[REDACTED] However, in these situations, other supportive and nursing care is provided as indicated.

Exceptions to Standards and Regulations

Attachment to USDA Annual Report
Registration No. 34-R-0015
November 2002

The following exceptions to standards and regulations under the Act were approved by the IACUC during this reporting period:

- The use of complete Freund's adjuvant (CFA) as part of an immunogen in horses was approved. The immunization process is required in the outline of manufacture for a biological that is the drug of choice for treatment of aplastic anemia and which is also an important part of adjunct therapy in transplant patients. This protocol was not utilized during the current reporting year and therefore impacted zero (0) animals. The IACUC closely monitors this protocol when it is active and is kept current on all efforts to refine the procedure by the investigators.
- Under one protocol, the IACUC has approved an exemption such that cat enclosures are not cleaned and sanitized every two weeks. This involved ~650 cats during this reporting period. (b)(4)
Because of the risk of contaminating other rooms if the cats were moved during sanitization, the rooms were only sanitized between studies (every 6-12 weeks). Granting an exception from the two-week sanitization schedule had little effect on the living conditions of the animals. The rooms and runs were washed down each day. While the washing proceeds, the cats jump onto perches within the runs and do not get wet. This allows the lower part of the runs and floors to be cleaned daily. During inspections, there have been no concerns about cleanliness. This regimen does allow a small deposit of dust and dander to accumulate on the top rails of the runs, but this is minimal. When a study is completed, runs are washed and disinfected before new animals enter the space.
- Under another protocol, the IACUC approved an increase in the sanitization interval for dog runs from 14 days to up to 28 days, total. This impacted 35 dogs during this reporting period. These dogs were on studies where food consumption data was critical, and this was markedly disrupted by moving the animals out of the room in order to clean, adding an additional variable to the study. Granting this exception from the two-week sanitization schedule has had little effect on the living conditions of the animals. The runs are washed down each day (which seems minimally disruptive to the animals' food consumption), and during inspections, there have been no concerns about cleanliness. At the end of each 4-week study, runs are washed and sanitized per usual.
- Under two protocols, dogs and nonhuman primates (NHPs) were occasionally housed in stainless steel metabolism cages for the collection of urine and/or feces (providing at least 1X space) for pharmacokinetic studies and studies involving radiolabeled compounds, necessitating limited exemptions from the enrichment plans for these species. This impacted thirty-six (36) dogs and twenty-seven (27) NHPs during this reporting period. The dogs were housed in metabolism cages for 1-3 days. They did not have access to manipulata or exercise outside of the cage during this time, due to the need for total urine collection and the use of radioactivity. The NHPs were housed in metabolism cages for 1-3 days. They did not have access to manipulata throughout this study period, but received fruit treats daily.

- Short-term exemptions from exercise for post-surgical recovery were granted by the IACUC as follows:
 - Eight (8) dogs underwent surgical procedures required to prepare them for participation in cardiovascular monitoring studies. These animals were exempted from exercise for a 14-day recovery period, after which time they were able to resume normal activity.
- The IACUC has authorized the Attending Veterinarians to grant very short-term exemptions to the mandatory sanitization intervals under exceptional circumstances, providing that they personally view and evaluate the housing situation and determine that there would be no compromise to animal welfare standards by allowing the cage change to wait for one or two additional days. In these situations, the Attending Veterinarian must observe the room in question, then annotate the room maintenance record (RMR), stating that the exception has been granted. A copy is made of the RMR and a separate file documenting these exceptions is maintained in the Attending Veterinarian's office as well. Seven exemptions of this nature were granted this reporting period, each involving a 24-hour extension. Two of these involved a total of ~50 rabbits; three involved a total of 36 dogs; and two involved a total of 32 nonhuman primates.

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE1. CERTIFICATE NUMBER: 34-R-0031
CUSTOMER NUMBER: 696FORM APPROVED
OMB NO. 0579-0036ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)MP I Research, Inc.
54943 N. Main Street
Mattawan, MI 49071

NOV 22 2002

Telephone: (816) -668-3336
(269)

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

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4. Dogs	137	435	2,313	12	2,760
5. Cats	28	0	44	0	44
6. Guinea Pigs	125	406	0	131	537
7. Hamsters	140	188	212	0	400
8. Rabbits	320	284	1,260	6	1,550
9. Non-human Primate	226	175	264	0	439
10. Sheep					
11. Pigs	181	26	275	0	301
12. Other Farm Animals					
13. Other Animals					

ASSURANCE STATEMENTS

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

SK

Type or Print

DATE SIGNED

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(AUG 91)

EO
11/27/02

Column E Explanation

Registration Number: 34-R-0031

STUDY 1

- Number of Animals: 4
- Species : Dog

• Explanation of Procedure Producing Pain and/or Distress

The test and control articles were administered by I.V. Infusion. All personnel administering the materials were thoroughly trained to avoid potential injury to the animals. Specifically, animals were closely monitored by technicians and veterinarians for general signs of toxicity, inappetance, and stool. (General clinical findings were considered toxicity findings. Three dogs were euthanized and one died at first dose.)

• Scientific Justification

The route of administration was considered the most appropriate by the Sponsor and FDA to meet the objectives of this cardiovascular safety evaluation study.

• Regulations

International Conference on Harmonization (ICH) Harmonized Tripartite Guidelines

STUDY 2

- Number of Animals: 131
- Species : Guinea Pig

• Explanation of Procedure Producing Pain and/or Distress

Skin sensitization studies were conducted to determine the potential for the test articles to produce allergy in human beings. The Maximization method used requires intradermal injection of Freund's Complete Adjuvant that typically produces localized skin ulcers at the injection site. The animals remained active, alert, and good appetites with no overt signs of pain.

• Scientific Justification

The nature of these test articles required the use of the Maximization method. The FDA requires skin sensitization testing.

• Regulations

FDA Guidelines for Preclinical Toxicity Testing of Investigational Drugs for Human Use as well as generally accepted procedures for the testing of pharmaceutical compounds.

The United States Environmental Protection Agency (EPA), OPPTS 870.2600

The Organization for Economic Cooperation and Development (OECD). Guideline 406, Skin Sensitization.

Column E Explanation

Registration Number: 34-R-0031

STUDY 3

- Number of Animals: 4
- Species : Rabbit
- Explanation of Procedure Producing Pain and/or Distress

The potential for the test article gel to produce ocular irritation was evaluated. A small amount of gel (0.1mL) was placed in 1 conjunctival sac and the other eye served as an undosed control. A topical anesthetic was immediately available if pain was detected. The ocular reaction was mild and topical anesthetic was used.

- Scientific Justification

The EPA requires this testing.

- Regulations

The US Environmental Protection Agency (EPA) Toxic Substances Control Act (TSCA), Health Effect Test Guidelines, 798.4500.

FDA Guidelines for Preclinical Toxicity Testing of Investigational Drugs for Human Use as well as generally accepted procedures for the testing of pharmaceutical compounds,

Federal Hazardous Substances Act, Consumer Product Safety Commission, Method of Testing Toxic Substances, 16 CFR 11, Method of Testing Toxic Substances, Sec.1500.42, 1993.

The EPA, Office of Prevention, Pesticides and Toxic Substances, Health Effects Test Guidelines, 870-2400.

The Organization for Economic Cooperation and Development (OECD), Guideline 405, Acute Eye Irritation/Corrosion.

STUDY 4

- Number of Animals: 2
- Species: Rabbit
- Explanation of Procedure Producing Pain and/or Distress

A dermal study required the dermal application of test article that resulted in a moderate to severe skin reaction. The dosing and subsequent washing procedures were closely monitored by the investigator and staff veterinarian. By Study Day 15, the skin reactions had disappeared.

- Scientific Justification

The EPA requires this testing.

- Regulations

Guidelines entitled *Detection of Toxicity to Reproduction for Medicinal Products*, Federal Register, Vol. 59, No. 183, September 22, 1994, Guideline No. 4.1.3. Study for effects on embryo-fetal development.

The US Environmental Protection Agency (EPA), Toxic Substances Control Act (TSCA), Health Effect Test Guidelines, 798.4470

The EPA, Office Prevention, Pesticides, and Toxic Substances (OPPTS), Health Effects Test Guidelines, 870.2500.

The Organization for Economic Cooperation and Development (OECD), Guideline 404, Acute Dermal Irritation/Corrosion.

Column E Explanation

Registration Number: 34-R-0031

STUDY 5

- Number of Animals: 8
 - Species: Dog
- Explanation of Procedure Producing Pain and/or Distress

An Oral (Capsule dose) toxicity study resulted in marked weight loss. Dosing was continued in these animals with the objective of the dogs developing histological lesions similar to that observed on an earlier study. The animals were closely monitored by technicians and veterinarians and supportive treatment provided.

- Scientific Justification

The FDA requires this testing

The FDA requested this study design to clarify lesions that were detected on a previous study. The FDA also placed the sponsor's on-going clinical trial on indefinite hold pending the findings of this study.

- Regulations

Direct communication between Sponsor and FDA.

This study is based on the FDA's Current View on Safety Evaluations of Drugs as well as generally accepted procedures for the testing of pharmaceutical compounds.

Summary of Exceptions

Registration Number: 34-R-0031

Summary of Exceptions to the Regulations and Standards

- There were no exceptions to the regulations and standards.

OCT 08 2002

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE	1. CERTIFICATE NUMBER: 34-R-0004 CUSTOMER NUMBER: 104	FORM APPROVED OMB NO. 0579-0036 <i>CHM</i>
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)		
Cheri-Hill Kennel & Supply 17190 Polk Road Stanwood, MI 49346 <i>231 ← Please note area code.</i> Telephone: (616) -823-2392		

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.)

ASSURANCE STATEMENTS

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

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

SIGNATURE OF CEO OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF CEO OR INSTITUTIONAL OFFICIAL / Type or Print

| DATE SIGNED

10-7-02

AP

(AUG 91)

FACILITY SITES LISTING

- Licensee/Registrant Name: dba - Cheri-Hill Kennel
License/Registration Number: 34-R-004

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: Cheri-Hill Kennel
Address: 17190 Polk Rd.
Stanwood, Mi 49346
Building: See attached diagram
Floor/Room: RESEARCH FACILITY SQUARE FOOTAGE, 19,684
Contact Person: _____ Phone No.: 231-823-2392
Fax No. 231-823-2925

Site No.: _____ Name/Department: _____
Address: _____

Building: _____
Floor/Room: _____
Contact Person: _____ Phone No.: _____

Site No.: _____ Name/Department: _____
Address: _____

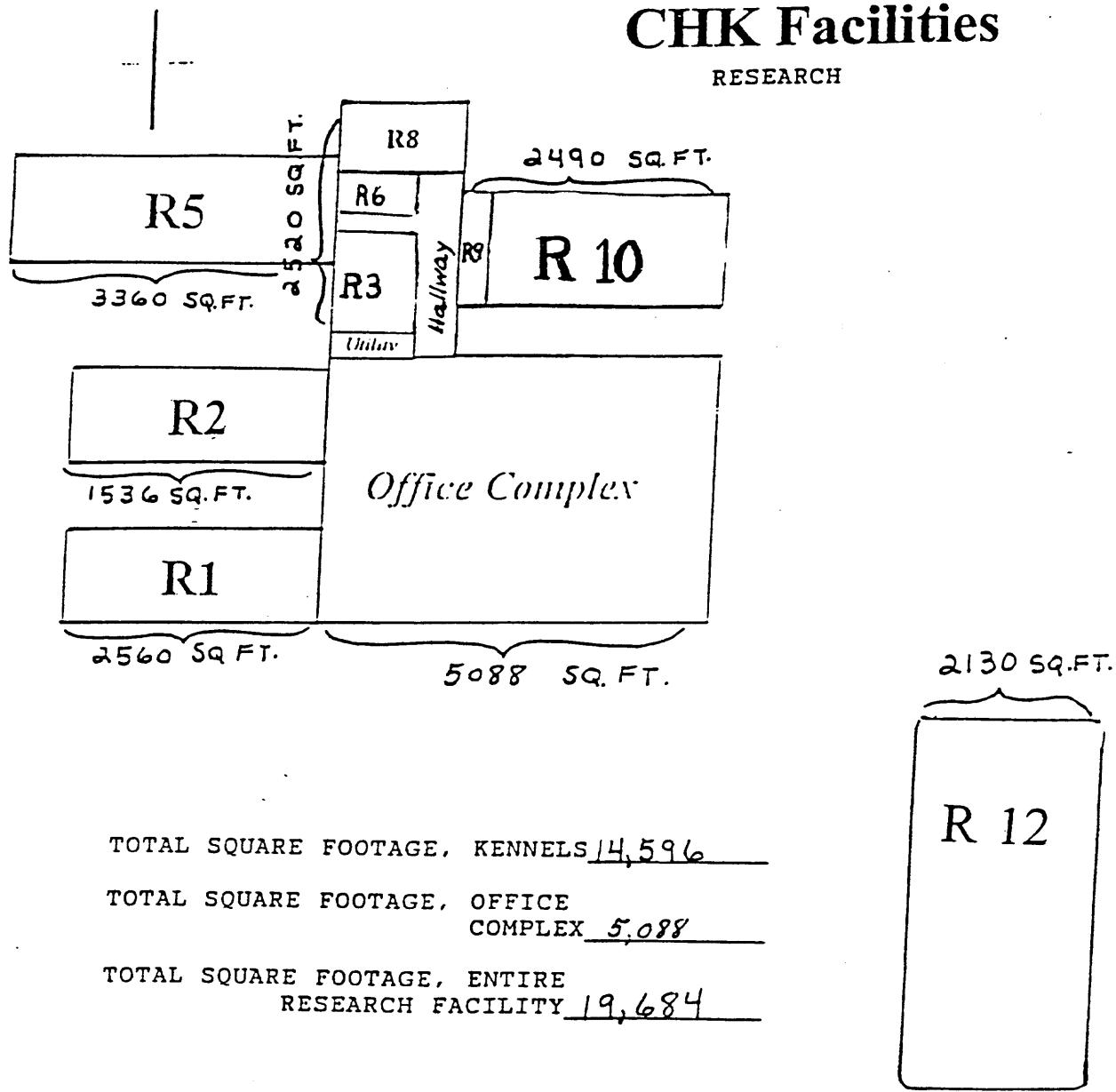
Building: _____
Floor/Room: _____
Contact Person: _____ Phone No.: _____

COPY

34 R 0004

CHK Facilities

RESEARCH



COPY

NOV 22 2002

See attached form for
additional information

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 34-R-0008
CUSTOMER NUMBER: 115

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Dow Chemical Company
Health & Environmental Research ← Toxicology and
1803 Building Environmental
Midland, MI 48674 Research and
Telephone: (517) -636-1509 Consulting
989

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.	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	145	4		0	149
5. Cats	0	0		0	0
6. Guinea Pigs	0	0		0	0
7. Hamsters	0	0		0	0
8. Rabbits	209	10		0	219
9. Non-human Primate	0	0		0	0
10. Sheep	0	0		0	0
11. Pigs	0	0		0	0
12. Other Farm Animals	0	0		0	0
13. Other Animals	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 IACUC. A summary of all such exceptions is attached to this annual report. In addition to identifying the exceptions, as well as the species and number of animals affected.

ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

HEADQUARTERS RESEARCH FACILITY OFFICIAL
(C.E.O. or Institutional Official)

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

DATE SIGNED

11/19/02

ATTACHMENT 1FACILITY LOCATIONS (SITE LISTINGS)ACTIVE SITE

- Toxicology and Environmental Research and Consulting Laboratory
1803 Building
Midland, Michigan 48674

LIST OF DELETED SITES
(Sites Permanently Closed)

- Central Research Materials and Development Laboratory
1701 Building
Midland, MI 48674

Site Deleted (permanently closed) on May 20, 1996

- Dow Chemical Company
Toxicology Research Laboratory - Indianapolis
9550 N. Zionsville Road
Indianapolis, IN 46268

Site Deleted (permanently closed) on December 31, 1995

- Health & Environmental Sciences
Lake Jackson Research Center
Freeport, TX 77541

Site Deleted (permanently closed) on November 19, 1994



34 R-0008

NOV 22 2002

The Dow Chemical Company
Midland, Michigan 48674

1803 Building
November 21, 2002

Elizabeth Goldentyer, D.V.M.
Regional Director - Animal Care
Eastern Region
United States Department of Agriculture
Marketing and Regulatory Programs
Animal and Plant Health Inspection Service
920 Main Campus Drive
Suite 200
Unit 3040
Raleigh, NC 27606-5213

Dear Dr. Goldentyer,

Please find enclosed the original and one copy of the completed USDA Annual Report (APHIS form 7023 only) for the reporting facility of The Dow Chemical Company (registration number 34-R-0008, Customer Number 115). This facility has adhered to the standards and regulations under the Animal Welfare Act, as indicated on the Annual Report form.

As noted the AHPIS form 7023 has been corrected to reflect the current telephone area code, which is 989, and the correct facility name, which should be the Toxicology and Environmental Research and Consulting Laboratory. These changes were made on Animal Welfare Registration form submitted in June 2002.

Also enclosed are two copies of the list of former sites, previously listed under USDA registration number 34-R-0008, which have been permanently closed and are no longer in operation. There are no animal numbers to report from these facilities, as no animals were present in the permanently closed facilities during this reporting period.

The only site that listed animals on this Annual Report is:

Site 1: Toxicology and Environmental Research and Consulting Laboratory
1803 Building
Midland, MI 48674

Status: Active

The Institutional Animal Care and Use Committee of the Dow Chemical Company also inspects the Environmental Toxicology Laboratory which houses fresh water aquatic species only.

34 R 0008

Elizabeth Goldentyer, D.V.M.

November 21, 2002

Page 2

The deleted sites and the dates of permanent closure are as follows:

Central Research Materials and Development Laboratory
(formerly Central Research Bioproducts Laboratory)
1701 Building
Midland, MI 48674

Status: Deleted, Permanently closed May 20, 1996

Toxicology Research - Indianapolis
9550 N. Zionsville Road
Indianapolis, IN 46268

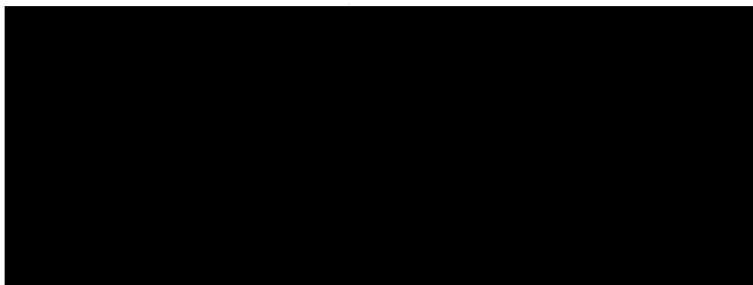
Status: Deleted, Permanently closed December 31, 1995 (building has been demolished)

Health and Environmental Sciences
Lake Jackson Research Center
Freeport, TX 77541

Status: Deleted, Permanently closed November 19, 1994 (building has been demolished)

If you require additional information or clarification, please contact me.

Sincerely,

A large black rectangular redaction box covering the signature area.

Enclosures

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 34-R-0009
CUSTOMER NUMBER: 116

FORM APPROVED
OMB NO. 0579-0036

**ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)**

Providence Hospital
16001 W. Nine Mile Road
Southfield, MI , 48075

Telephone: (248) 849-3326

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)

SURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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**CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)**

DATE SIGNED

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

FACILITY SITES LISTINGLicensee/Registrant Name: Providence Hospital Animal LabLicense/Registration Number: 34-R-009

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: Division of Laboratory Animal Resources- Wayne StateAddress: 540 East CanfieldDetroit, Mi. 48201Building: They may provide overflow housing from time to timeFloor/Room: Location is at their discretion.Contact Person: [REDACTED] Phone No.: [REDACTED]

Site No.: _____ Name/Department: _____

Address: _____

Building: _____

Floor/Room: _____

Contact Person: _____ Phone No.: _____

Site No.: _____ Name/Department: _____

Address: _____

Building: _____

Floor/Room: _____

Contact Person: _____ Phone No.: _____

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

CERTIFICATE NUMBER: 34-R-0009
CUSTOMER NUMBER: 116

CUSTOMER NUMBER: 116

**Providence Hospital
16001 W. Nine Mile Road
Southfield, MI , 48075**

Telephone: (248) 849-3326

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 |

SURANCE STATEMENTS

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

DATE SIGNED

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

FACILITY SITES LISTING

Licensee/Registrant Name: Providence Hospital Animal Lab

License/Registration Number: 34-R-009

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: Division of Laboratory Animal Resources- Wayne State

Address: 540 East Canfield

Detroit, Mi. 48201

Building: They may provide overflow housing from time to time

Floor/Room: Location is at their discretion.

Contact Person: [REDACTED] Phone No.: [REDACTED]

Site No.: _____ Name/Department: _____

Address: _____

Building: _____

Floor/Room: _____

Contact Person: _____ Phone No.: _____

Site No.: _____ Name/Department: _____

Address: _____

Building: _____

Floor/Room: _____

Contact Person: _____ Phone 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: 34-R-0010 CUSTOMER NUMBER: 111</p>	<p>FORM APPROVED OMB NO. 0579-0036</p>
<p>Henry Ford Hospital 2799 W Grand Blvd Detroit, MI 48202 Telephone: (313) -876-2024</p> <p><i>NOV 26 2002</i></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)

ASSURANCE STATEMENTS

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

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL <i>(Type or Print)</i>	DATE SIGNED
	11/15/02

FACILITY SITES LISTING

Licensee/Registrant Name: Henry Ford Health System (HFHS)

Licensee/Registrant Number: 34-R-0010

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: HFHS, Bioresources Department

Address: 2799 West Grand Boulevard

Detroit, MI 48202

Building: Education and Research.

Floor/Room: 4th floor, room 4002

Contact Person: _____ Phone: _____

Site No.: 2 Name/Department: William Beaumont Hospital

Address: 3601 West Thirteen Mile Road

Royal Oak, MI 48073

Building: Research Institute

Floor/Room: N/A

Contact Person: _____ Phone: _____

Site No.: 3 Name/Department: HFHS, Bioresources F,

Address: One Ford Place

Detroit, MI 48202

Building: One Ford Place

Floor/Room: 3D

Contact Person: _____ Phone: _____

FACILITY SITES LISTING

Licensee/Registrant Name: Henry Ford Hospital d/b/a Henry Ford Health System

Licensee/Registrant Number: 34-R-0010

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.: 4 Name/Department: Wayne State University, Division of Laboratory Animal Resources

Address: 259 Mack Avenue

Detroit, MI 48201

Building: Applebaum

Floor/Room: 5th floor, room 5420

Contact Person: _____ Phone: _____

Site No.: _____ Name/Department: _____

Address: _____

Building: _____

Floor/Room: _____

Contact Person: _____ Phone: _____

Site No.: _____ Name/Department: _____

Address: _____

Building: _____

Floor/Room: _____

Contact Person: _____ Phone: _____

NOV 29 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

1. REGISTRATION NO. CUSTOMER NO.
34-R-0017 129

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)

MICHIGAN STATE UNIVERSITY
OFFICE OF RESEARCH & GRADUATE
246 ADMINISTRATION BUILDING
EAST LANSING, MI 48824
(517) 353-5064

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.	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	96	87	325		412
5. Cats	10	66	92		158
5. Guinea Pigs		48			48
7. Hamsters		159	369		528
3. Rabbits		89	132		221
9. Non-Human Primates		6			6
10. Sheep		55			55
11. Pigs		6			6
Mink		660			660
Ferret		13			13
Cow		257			257
Horse		19	62		81
Hyena		120	27		147
White Footed Mouse		50			50

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

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

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

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

DATE SIGNED

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. CUSTOMER NO.
34-R-0017 129

FORM APPROVED
OMB NO. 0579-0036

**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)**

**MICHIGAN STATE UNIVERSITY
OFFICE OF RESEARCH & GRADUATE
246 ADMINISTRATION BUILDING
EAST LANSING, MI 48824
(517) 353-5064**

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

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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**CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional official)**

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

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

DATE SIGNED

RECEIVED DEC 20 2002

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

See attached form for additional information

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 34-R-0018

FORM APPROVED
OMB NO. 0579-0036

CUSTOMER NUMBER: 195

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)Eastern Michigan University
433 Mark Jefferson
Eastern Michigan Univ
Ypsilanti, MI 48197

Telephone: (734) -487-3090

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.	B. Number of animals being-bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs		0			0
5. Cats		0			0
6. Guinea Pigs		0			0
7. Hamsters		0			0
8. Rabbits		0			0
9. Non-human Primate		0			0
10. Sheep		0			0
11. Pigs		0			0
12. Other Farm Animals		0			0
13. Other Animals					
Bats		290		(this study was conducted in Puerto Rico)	290

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

2/18/02

OCT - 7 2002 Interagency Report Control No: 4

<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: 34-R-0019 CUSTOMER NUMBER: 196</p>	<p>FORM APPROVED OMB NO. 0579-0036</p>
<p>Ferris State University 220 Ferris Drive Big Rapids, MI 49307</p> <p>Telephone: (616) -592-2246</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)

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** _____

DRC 9-2 2002 additional information

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE1. CERTIFICATE NUMBER: 34-R-0032
CUSTOMER NUMBER: 186FORM APPROVED
OMB NO. 0579-0036ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)Dow Corning Corporation
Health & Environmental Sciences Dc-3
2200 W. Salzburg Road
Auburn, MI 48611

Telephone: (989) -496-4000

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

AS ABOVE

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		5	28	0	33
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
12/18/02

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. CUSTOMER NO.
34-R-0035 199

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)
HOPE COLLEGE
35 EAST 12TH STREET
HOLLAND, MI 49422

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)

HOPE COLLEGE
HOLLAND, MI 49422-9000

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

A.	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 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)	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 (Col. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters	1				
8. Rabbits					
9. Non-Human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
gray-cheeked thrush		1			1
cedar waxwings		6			6
swainson's thrush		3			3

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 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.
- 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

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. 34-R-0035	CUSTOMER NO. 199	FORM APPROVED OMB NO. 0579-0036
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)	
		HOPE COLLEGE 35 EAST 12TH STREET HOLLAND, MI 49422	

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

- 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.

<p style="text-align: center;">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)</p>		
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: 34-R-0037
CUSTOMER NUMBER: 200

FORM APPROVED
OMB NO. 0579-0038

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

William Beaumont Hospital
Research Institute
3811 West 13 Mile Road
Royal Oak, MI 48073

Telephone: (810) -551-0666

NOV 29 2002

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

FACILITY LOCATIONS (Sites) - See Attached Listing

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

A.	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		5
5. Cats					
6. Guinea Pigs			397		397
7. Hamsters					
8. Rabbits			66		66
9. Non-human Primate					
10. Sheep			6		6
11. Pigs			17		17
12. Other Farm Animals					
13. Other Animals					
Ferrets			72		72

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

SIG:

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

DATE SIGNED

11/16/02

APHI

(AUG 91)

which is obsolete.

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number: 34-R-0037
Customer Number: 200
Facility: WILLIAM BEAUMONT HOSPITAL
3601 WEST 13 MILE ROAD
ROYAL OAK, MI 48073
(810) 551-0666

3601 WEST 13 MILE ROAD
ROYAL OAK, MI 48073

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 34-R-0033
CUSTOMER NUMBER: 522

FORM APPROVED
OMB NO. 0579-0036

**ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)**

Western Michigan University
Research & Sponsored Programs
Kalamazoo, MI 49008
269
Telephone: (610) -387-3670

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)

ASSURANCE STATEMENTS

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

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

SIGNATURE OF CEO OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF CEO OR INSTITUTIONAL OFFICIAL / *Type or Print*

DATE SIGNED

10/28/04

OCT 16 2002

See attached form for additional information

Interagency Report Control No.: *gov*

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

1. CERTIFICATE NUMBER: 34-R-0044
CUSTOMER NUMBER: 202

FORM APPROVED
OMB NO. 0579-0036

Central Michigan University
Brooks Hall
Mount Pleasant, MI 48859

Telephone: (517) -774-3227

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

*Rowe Hall
Brooks Hall*

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

A.	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs	0				0
5. Cats	0				0
6. Guinea Pigs	0				0
7. Hamsters	0				0
8. Rabbits	10	10			10
9. Non-human Primate	0				0
10. Sheep	0				0
11. Pigs	0				0
12. Other Farm Animals	0				0
13. Other Animals					
Gerbils	60	45			45

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

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

is obsolete.

DATE SIGNED

18/02

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

OCT 21 2002

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: 34-R-0050 CUSTOMER NUMBER: 203</p>	<p>FORM APPROVED OMB NO. 0579-0036</p> 
<p>Foundation For Behavioral Resource 600 S. Lincoln Street Augusta, MI 49012</p> <p>Telephone: (616) -731-5775</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)

600 S. Lincoln Street 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)

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF CEO OR INSTITUTIONAL OFFICIAL

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

DATE SIGNED

10/11/02

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE1. CERTIFICATE NUMBER: 34-R-0060
CUSTOMER NUMBER: 215FORM APPROVED
OMB NO. 0579-0036
*12/22*ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)Macomb Community College
Veterinary Technician Program
44575 Garfield Road
Clinton Township, MI 48038

Telephone: (313) -286-2096

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	84		84		84
5. Cats	78		78		78
6. Guinea Pigs	12		12		12
7. Hamsters	16		16		16
8. Rabbits	7		7		7
9. Non-human Primate	0		0		0
10. Sheep	0		0		0
11. Pigs	0		0		0
12. Other Farm Animals	0		0		0
13. Other Animals					
Gerbils	10		10		10
Mice	20		20		20
Rats	12		12		12

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

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

DATE SIGNED
12/22

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 34-R-0064
CUSTOMER NUMBER: 218

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Borgess Medical Center
Borgess Research Institute
1521 Gull Road
Kalamazoo, MI 49048

Telephone: (269) -226-5407

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)

Borgess Research Institute, 1521 Gull Road, Kalamazoo, MI 49048

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

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Executive Officer or Legally Responsible Institutional Official)

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NAME & TITLE OF AGENT OR INSTITUTIONAL OFFICIAL

DATE SIGNED

10/23/2

OCT 21 2002

<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: 34-R-0068 CUSTOMER NUMBER: 220</p>	<p>FORM APPROVED OMB NO. 0579-0036</p> <p><i>01/2</i></p>
<p>Michigan Dept. Of Natural Resources Wildlife Division P.O. Box 30028 Lansing, MI 48909</p> <p>Telephone: (517) -373-1263</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)

ASSURANCE STATEMENTS

a nutritional or behavioral studies involving no pain.

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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 - 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.
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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

| DATE SIGNED

10/08/02

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number: 34-R-0068
Customer Number: 220
Facility: MICHIGAN DEPT. OF NATURAL RESOURCES
WILDLIFE DIVISION
P.O. BOX 30028
LANSING, MI 48909
(517) 373-1263

ROSELAKE WILDLIFE RESEARCH
RESEARCH CENTER 8562 E.
EAST LANSING, MI 48823

34 R 0068

Site: 001
Status: Inactive

Cusino Wildlife
Research Station
Highway M-28
Shingleton, MI 49884
County: Alger

Contact Person:



Site: 002
Status: Inactive

Houghton Lake Wildlife
Research Area
1759 S. Jeff's Road
Merritt, MI 49667
County: Missaukee

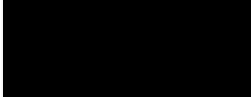
Contact Person:



Site: 003
Status: Active

Rose Lake Wildlife
Research Center
8562 E. Stoll Road
East Lansing, MI 48823
County: Ingham

Contact Person:



DEC 02 2002

See attached form for
additional information

Interagency Report Control No.:

FORM APPROVED
OMB NO. 0579-0036

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 34-R-0121
CUSTOMER NUMBER: 424

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Northern Michigan University
1401 Presque Isle Avenue
Marquette, MI 49855

Telephone: (906) -227-2301

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)

Biology Department
Psychology 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 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					
9. Non-human Primate					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
American Woodcock	135				135

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

11-26-02

DEC 02 2002

See attached form for
additional information

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

1. CERTIFICATE NUMBER: 34-R-0142
CUSTOMER NUMBER: 423

Michigan Technological University
Vice President For Research
1400 Townsend Drive
Houghton, MI 49931

Telephone: (906) -487-3043

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					
9. Non-human Primate					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
BATS		153			153
Gray Squirrel		3			3
Small Mammal		300			300

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

DATE SIGNED

11.27.02

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE	1. CERTIFICATE NUMBER: 34-R-0144 CUSTOMER NUMBER: 1798	FORM APPROVED OMB NO. 0579-0036
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)		Parkedale Pharmaceuticals 870 Parkdale Road Rochester, MI 48307 Telephone: (248) -656-5472

FACILITY LOCATIONS (Sites) - See Attached Listing

PARKEDALE PHARMACEUTICALS BUILDING 37 (SEE ABOVE ADDRESS)

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

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

DATE SIGNED
10/31/03

<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: 34-R-0145 CUSTOMER NUMBER: 1825</p>	<p>FORM APPROVED OMB NO. 0579-0036</p> <p><i>C.R.H.</i></p>
<p>Esperion Therapeutics, Inc. 3621 S. State Street 695 Kms Place Ann Arbor, MI 48108</p> <p>Telephone: (734) -677-1559</p> <p><i>OCT 28 2002</i></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.)

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

DATE SIGNED
10/21/02

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. CUSTOMER NO.
34-R-0147 10106

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)
WEST MICHIGAN REGIONAL LABS
CALVIN COLLEGE
3201 BURTON ST., SE
GRAND RAPIDS, MI 49506

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)

WEST MICHIGAN REGIONAL LABS
GRAND RAPIDS, MI 49506

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

A.	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 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)	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		5
5. Cats	14		28		28
6. Guinea Pigs					
7. Hamsters		16			16
8. Rabbits	10	2	211		213
9. Non-Human Primates					
10. Sheep					
11. Pigs			86		86
12. Other Farm Animals					
13. Other Animals					

ASSURANCE STATEMENTS

- 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.
- Each principal investigator has considered alternatives to painful procedures.
- 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.
- 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

11/19/2002

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 34-R-0148
CUSTOMER NUMBER: 11432

FORM APPROVED
OMB NO. 0579-0036

**ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)**

Tsrl, Inc
Tsrl, Inc
540 Avis Dr., Suite A
Ann Arbor, MI 48108

Telephone: (734) -663-4233

NOV 29 2002

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

FACILITY LOCATIONS (Sites) - See Attached Listing

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

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
Executive Officer or Legally Responsible Institutional Official)

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

DATE SIGNED

11/25/02

This is obsolete

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number: 34-R-0148
Customer Number: 11432
Facility: TSRL, INC
540 AVIS DR., SUITE A
ANN ARBOR, MI 48108
(734) 663-4233

TSRL, INC
540 AVIS DR., SUITE A
ANN ARBOR, MI 48108

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

1. CERTIFICATE NUMBER: 34-R-0149
CUSTOMER NUMBER: 13477

Grand Valley State University
401 W Fulton
Grand Rapids, MI 49504

Telephone: (616) -336-7265

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.	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, 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	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				THIS FACILITY DID NOT USE ANY ANIMALS COVERED BY AWA REGULATIONS	
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.
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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

SIGN

APHIS

DATE SIGNED

11/8/02

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 34-R-0149
CUSTOMER NUMBER: 13477

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Grand Valley State University
401 W Fulton
Grand Rapids, MI 49504
Telephone: (616) -336-7265

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.	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, 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)	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 NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs					
5. Cats				THIS FACILITY DID NOT USE ANY ANIMALS COVERED BY AWA REGULATIONS	
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primate					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					

ASSURANCE STATEMENTS

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

SIG

APHI

DATE SIGNED
1/18/02

NOV 15 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.:

FORM APPROVED
OMB NO. 0579-0036

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 34-R-0149
CUSTOMER NUMBER: 13477

**ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)**

Grand Valley State University
401 W Fulton
Grand Rapids, MI 49504

Telephone: (616) -336-7265

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 1

A.	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, 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	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					

**THIS FACILITY DID NOT USE ANY ANIMALS
COVERED BY AWA REGULATIONS**

ASSURANCE STATEMENTS

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

SIGN

APHIS

DATE SIGNED

11/8/02

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 34-R-0150
CUSTOMER NUMBER: 14974

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Baker College
1050 West Bristol Road
Flint, MI 48507

Telephone: (810) -766-4288

Nov 08 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 (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	○	○	○	○	○

ASSURANCE STATEMENTS

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- 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

DATE SIGNED

11/1/02