

UNITED STATES DEPARTMENT OF AGRICULTURE  
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.  
43-R-0005

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)

Mallinckrodt Inc  
675 McDonnell Blvd  
Hazelwood, MO 63042

DEC

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 and Physical Sciences Dept.

Biological Performance

Corporate

Maryland Heights

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

| A. Animals Covered By The Animal Welfare Regulations | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report) | F. TOTAL NO OF ANIMALS (Cols. C + D + E) |
|--|---|---|--|--|--|
| 4. Dogs  | 0   |   | 8  |  | 8  |
| 5. Cats  |   |   |  |  |  |
| 6. Guinea Pigs                                       | 4   | 154   |  |  | 158                                      |
| 7. Hamsters  |   |   |  |  |  |
| 8. Rabbits   | 5   | 62  | 3  |  | 70                                       |
| 9. Non-human Primates                                |   |   |  |  |  |
| 10. Sheep  |   |   |  |  |  |
| 11. Pigs   |   |   |  |  |  |
| 12. Other Farm Animals                               |   |   |  |  |  |
| 13. Other Animals                                    |   |   |  |  |  |

ASSURANCE STATEMENTS

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

**CERTIFICATION BY HEADQUARTER 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 C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/27/0

UNITED STATES DEPARTMENT OF AGRICULTURE  
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.  
43-R-0005

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)  
Mallinckrodt Inc  
675 McDonnell Blvd  
Hazelwood, MO 63042

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 and Physical Sciences Dept.

Biological Performance

Corporate

Maryland Heights

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

| A. Animals Covered By The Animal Welfare Regulations | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report). | F. TOTAL NO OF ANIMALS (Cols. C + D + E) |
|--|---|---|--|---|--|
| 4. Dogs  | 0   |   | 8  |   | 8  |
| 5. Cats  |   |   |  |   |  |
| 6. Guinea Pigs                                       | 4   | 154   |  |   | 158                                      |
| 7. Hamsters  |   |   |  |   |  |
| 8. Rabbits   | 5   | 62  | 3  |   | 70                                       |
| 9. Non-human Primates                                |   |   |  |   |  |
| 10. Sheep  |   |   |  |   |  |
| 11. Pigs   |   |   |  |   |  |
| 12. Other Farm Animals                               |   |   |  |   |  |
| 13. Other Animals                                    |   |   |  |   |  |

ASSURANCE STATEMENTS

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

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL  
(Chief Executive Officer or Legally Responsible Institutional Official)  
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

|  |             |
|--|-------------|
|  | DATE SIGNED |
|  | 11/27/6     |

|   |  |
|---|--|
| UNITED STATES DEPARTMENT OF AGRICULTURE<br>ANIMAL AND PLANT HEALTH INSPECTION SERVICE<br><br><b>ANNUAL REPORT OF RESEARCH FACILITY</b><br>(TYPE OR PRINT)   | 1. REGISTRATION NO.<br><div style="font-size: 1.2em; font-family: cursive;">43-R-0006</div> FORM APPROVED<br>OMB NO. 0579-0036 |
| 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)<br><div style="font-size: 1.2em; font-family: cursive;">RALSTON PURINA COMPANY<br/>900 CHECKERBOARD SQ.<br/>ST. LOUIS MO. 63164</div> |  |
| 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)

PET CARE CENTER  
 101 SCIENCE ST. GRAY SUMMIT, MO. 63039

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

| A.<br>Animals Covered By The Animal Welfare Regulations | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report). | F.<br>TOTAL NO OF ANIMALS<br><br>(Cols. C + D + E) |
|---|---|---|--|---|--|
| 4. Dogs   | 54  | 466   |  |   | 466  |
| 5. Cats   | 138   | 377   |  |   | 377  |
| 6. Guinea Pigs  |   |   |  |   |  |
| 7. Hamsters   |   |   |  |   |  |
| 8. Rabbits  |   |   |  |   |  |
| 9. Non-human Primates                                   |   |   |  |   |  |
| 10. Sheep   |   |   |  |   |  |
| 11. Pigs  |   |   |  |   |  |
| 12. Other Farm Animals                                  |   |   |  |   |  |
| 13. Other Animals                                       |   |   |  |   |  |

ASSURANCE STATEMENTS

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

|   |  |  |
|---|--|--|
| SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | DATE SIGNED<br><br><div style="font-size: 1.2em; font-family: cursive;">11/29/00</div> |
|---|--|--|

UNITED STATES DEPARTMENT OF AGRICULTURE  
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 43-R-0009  
CUSTOMER NUMBER: 1399

FORM APPROVED  
OMB NO. 0579-0038

ANNUAL REPORT OF RESEARCH FACILITY  
(TYPE OR PRINT)

Midwest Research Inst  
425 Volker Blvd

NOV 29 2000

Telephone:  
(816)753-7600

Kansas City, MO 64110

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

FACILITY LOCATIONS (Sites) - See Attached Listing

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

| A. Animals Covered By The Animal Welfare Regulations | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet 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 NUMBER OF ANIMALS (COLUMNS C + D + E) |
|--|---|---|---|---|--|
| 4. Dogs  |   | 52  |   |   | 52   |
| 5. Cats  |   | 44  |   |   | 44   |
| 6. Guinea Pigs                                       |   |   |   |   |  |
| 7. Hamsters  |   |   |   |   |  |
| 8. Rabbits   |   |   |   |   |  |
| 9. Non-human Primates                                |   |   |   |   |  |
| 0. Sheep   |   |   |   |   |  |
| 1. Pigs  |   |   |   |   |  |
| 2. Other Farm Animals                                |   |   |   |   |  |
| 3. Other Animals                                     |   |   |   |   |  |
| Rats   |   |   |   |   | 616  |
| Mice   |   |   |   |   | 7,475  |

ASSURANCE STATEMENTS

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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)

SIGNED  
28/00

**Annual Report Site Listing:**

Customer ID and Site Address:

Cust ID: 1399

425 Volker Blvd  
Kansas City, MO 64110  
County: Jackson

Telephone  
(816)753-7600

|   |   |   |
|---|---|---|
| UNITED STATES DEPARTMENT OF AGRICULTURE<br>ANIMAL AND PLANT HEALTH INSPECTION SERVICE<br><br><b>ANNUAL REPORT OF RESEARCH FACILITY</b><br>(TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 43-R-0011<br>CUSTOMER NUMBER: 1507 | FORM APPROVED<br>OMB NO. 0579-0038<br><br>DEC 14<br>Telephone:<br>(314)577-8345 |
| St Louis University<br>1402 S Grand Blvd<br><br>St Louis, MO 63104  |   |   |

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  |   | 58  |   |   | 58                                     |
| 5. Cats  |   |   | 2   |   | 2                                      |
| 6. Guinea Pigs                                       |   | 3   |   |   | 3                                      |
| 7. Hamsters  |   | 14  |   |   | 14                                     |
| 8. Rabbits   |   | 92  | 371   |   | 463                                    |
| 9. Non-human Primates                                |   |   | 2   |   | 2                                      |
| 0. Sheep   |   |   | 4   |   | 4                                      |
| 1. Pigs  |   |   | 64  |   | 64                                     |
| 2. Other Farm Animals                                |   |   |   |   |  |
| 3. Other Animals                                     |   |   |   |   |  |
| Chinchilla   |   | 9   |   |   | 9                                      |
| Ferret   |   |   | 2   |   | 2                                      |
| Opossum  |   |   | 10  |   | 10                                     |

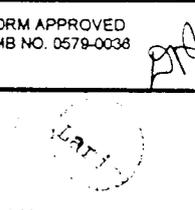
ASSURANCE STATEMENTS

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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)

DATE SIGNED

11-13-c

|   |   |   |
|---|---|---|
| UNITED STATES DEPARTMENT OF AGRICULTURE<br>ANIMAL AND PLANT HEALTH INSPECTION SERVICE<br><br><b>ANNUAL REPORT OF RESEARCH FACILITY</b><br>(TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 43-R-0012<br>CUSTOMER NUMBER: 1495 | FORM APPROVED<br>OMB NO. 0579-0038<br><br> |
| Kirksville Coll Osteo Med<br>800 W Jefferson St<br><br>Kirksville, MO 63501   |   | Telephone:<br>(660)626-2400   |

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

FACILITY LOCATIONS (Sites) - See Attached Listing *Timken-Burnett Research Bldg*

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   |   | 96  |   | 96   |
| 5. Cats  | 6   |   | 22  |   | 22   |
| 6. Guinea Pigs                                       | 0   |   |   |   |  |
| 7. Hamsters  | 0   |   |   |   |  |
| 8. Rabbits   | 3   | 3   |   |   | 3  |
| 9. Non-human Primates                                | 0   |   |   |   |  |
| 0. Sheep   | 0   |   |   |   |  |
| 1. Pigs  | 0   |   |   |   |  |
| 2. Other Farm Animals                                | 0   |   |   |   |  |
| 3. Other Animals                                     |   |   |   |   |  |
| Shrews   | 877   |   | 3,914   |   | 3,914  |
| Hedge Hogs   | 0   |   | 1   |   | 1  |

ASSURANCE STATEMENTS

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

SIGNATURE BY HEADQUARTERS RESEARCH FACILITY OFFICIAL  
 Executive Officer or Legally Responsible Institutional Official  
*that the above is true, correct, and complete (7 U.S.C. Section 2143)*

SK

DATE SIGNED  
 11-27-00

UNITED STATES DEPARTMENT OF AGRICULTURE  
 ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 43-R-0015  
 CUSTOMER NUMBER: 1504

FORM APPROVED  
 OMB NO. 0579-0038

OCT 19 1988

ANNUAL REPORT OF RESEARCH FACILITY  
 (TYPE OR PRINT)

St John's Mercy Med Ctr  
 615 S New Ballas Rd



Telephone:  
 (314)569-6200

St Louis, MO 63141

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.<br>Animals Covered<br>By The Animal<br>Welfare Regulations | B. Number of<br>animals being<br>bred,<br>conditioned, or<br>held for use in<br>teaching, testing,<br>experiments,<br>research, or<br>surgery but not<br>yet used for such<br>purposes. | C. Number of<br>animals upon<br>which teaching,<br>research,<br>experiments, or<br>tests were<br>conducted<br>involving no pain,<br>distress, or use<br>of pain-relieving<br>drugs. | D. Number of animals upon<br>which experiments,<br>teaching, research,<br>surgery, or tests were<br>conducted involving<br>accompanying pain or<br>distress to the animals<br>and for which<br>appropriate anesthetic,<br>analgesic, or<br>tranquilizing drugs were<br>used. | E. Number of animals upon which teaching, experiments,<br>research, surgery or tests were conducted involving<br>accompanying pain or distress to the animals and for<br>which the use of appropriate anesthetic, analgesic, or<br>tranquilizing drugs would have adversely affected the<br>procedures, results, or interpretation of the teaching,<br>research, experiments, surgery, or tests. ( An<br>explanation of the procedures producing pain or distress<br>in these animals and the reasons such drugs were not<br>used must be attached to this report ). | F.<br>TOTAL NUMBER<br>OF ANIMALS<br>( COLUMN<br>C + D + E |
|---|---|---|--|--|---|
| 4. Dogs   |   |   |  |  |   |
| 5. Cats   |   |   |  |  |   |
| 6. Guinea Pigs  |   |   |  |  |   |
| 7. Hamsters   |   |   |  |  |   |
| 8. Rabbits  | 2   |   |  |  |   |
| 9. Non-human Primates   |   |   |  |  |   |
| 0. Sheep  |   |   |  |  |   |
| 1. Pigs   |   |   |  |  |   |
| 2. Other Farm Animals   |   |   |  |  |   |
| 3. Other Animals<br>(Ferrets)                                 |   |   | 3  |  | 3   |

ASSURANCE STATEMENTS

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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 )

SIGNATURE OF C.

Print)

DATE SIGNED

10/19/88

**Annual Report Site Listing:**

Customer ID and Site Address:

Cust ID: 1504

615 South New Ballas  
Rd.  
St Louis, MO 63141  
County: St Louis

Telephone  
(314)569-6537

|  |   |                                    |
|--|---|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE<br>ANIMAL AND PLANT HEALTH INSPECTION SERVICE<br><br><b>ANNUAL REPORT OF RESEARCH FACILITY</b><br>(TYPE OR PRINT)<br><br>OCT 31 2000 | 1. CERTIFICATE NUMBER: 43-R-0021<br>CUSTOMER NUMBER: 1471 | FORM APPROVED<br>OMB NO. 0579-0038 |
| College Of Osteopathic Medicine<br>University Of Health Sciences, The<br>1750 Independence Ave<br><br>Kansas City, MO 64106  |   | Telephone:<br>(816)283-2000        |



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

FACILITY LOCATIONS ( Sites ) - See Attached Listing

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

| A. Animals Covered By The Animal Welfare Regulations | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet 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 NUMBER OF ANIMALS ( C + D + E ) |
|--|---|---|---|---|--|
| 4. Dogs  | 0   | 0   | 0   | 0   | 0  |
| 5. Cats  | 0   | 0   | 0   | 0   | 0  |
| 6. Guinea Pigs                                       | 0   | 0   | 0   | 0   | 0  |
| 7. Hamsters  | 0   | 0   | 0   | 0   | 0  |
| 8. Rabbits   | 0   | 0   | 0   | 0   | 0  |
| 9. Non-human Primates                                | 0   | 0   | 0   | 0   | 0  |
| 0. Sheep   | 0   | 0   | 0   | 0   | 0  |
| 1. Pigs  | 0   | 0   | 0   | 0   | 0  |
| 2. Other Farm Animals                                | 0   | 0   | 0   | 0   | 0  |
|  |   |   |   |   |  |
| 3. Other Animals                                     | 0   | 0   | 0   | 0   | 0  |
|  |   |   |   |   |  |
|  |   |   |   |   |  |

**ASSURANCE STATEMENTS**

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

|  |  |
|--|--|
| CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL<br>( Chief Executive Officer or Legally Responsible Institutional Official )<br>I certify that 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 ) |
| SIGNATURE LINE   | DATE SIGNED<br>10/20/00  |

**Annual Report Site Listing:**

Customer ID and Site Address:

Cust ID: 1471

1750 Independence  
Ave  
Kansas City, MO 64106  
County: Jackson

Telephone  
(816)283-2308

Educational Pavilion

|   |   |   |
|---|---|---|
| UNITED STATES DEPARTMENT OF AGRICULTURE<br>ANIMAL AND PLANT HEALTH INSPECTION SERVICE<br><br><b>ANNUAL REPORT OF RESEARCH FACILITY</b><br>(TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 43-R-0029<br>CUSTOMER NUMBER: 1488 | FORM APPROVED<br>OMB NO. 0579-0038<br><br> |
| Maple Woods Comm Coll<br>2601 Ne Barry Rd<br><br>Kansas City, MO 64156  |   | Telephone:<br>(816)437-3237   |

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   | 26  |   | 26   |
| 5. Cats  | 0   | 0   | 31  |   | 31   |
| 6. Guinea Pigs                                       | 0   | 0   | 30  |   | 30   |
| 7. Hamsters  | 0   | 0   | 0   |   | 0  |
| 8. Rabbits   | 0   | 0   | 24  |   | 24   |
| 9. Non-human Primates                                | 0   | 0   | 0   |   | 0  |
| 0. Sheep   | 0   | 5   | 0   |   | 5  |
| 1. Pigs  | 0   | 6   | 0   |   | 6  |
| 2. Other Farm Animals                                |   |   |   |   |  |
| goats  | 0   | 6   | 0   |   | 6  |
| 3. Other Animals                                     |   |   |   |   |  |
| ferrets  | 0   | 12  | 0   |   | 12   |
|  |   |   |   |   |  |

ASSURANCE STATEMENTS

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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)

|       |             |
|-------|-------------|
| _____ | DATE SIGNED |
|-------|-------------|



**Annual Report Site Listing:**

Customer ID and Site Address:

Cust ID: 1488

2601 Ne Barry Rd  
Kansas City, MO 64156  
County: Clay

Telephone  
(816)437-3237

|   |   |   |
|---|---|---|
| UNITED STATES DEPARTMENT OF AGRICULTURE<br>ANIMAL AND PLANT HEALTH INSPECTION SERVICE<br><br><b>ANNUAL REPORT OF RESEARCH FACILITY</b><br>(TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 43-R-0030<br>CUSTOMER NUMBER: 1394 | FORM APPROVED<br>OMB NO. 0579-0036 <span style="float: right;">M</span> |
| Truman State University<br>Science Division 262 Sh<br><br>Kirksville, MO 63501  |   | Telephone:<br>(660)785-4597   |

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

RM 10, Magruder Hall

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  |
| 5. Cats  |   | 0   |   |   | 0  |
| 6. Guinea Pigs                                       |   | 0   |   |   | 0  |
| 7. Hamsters  |   | 0   |   |   | 0  |
| 8. Rabbits   |   | 0   |   |   | 0  |
| 9. Non-human Primates                                |   | 0   |   |   | 0  |
| 0. Sheep   |   | 0   |   |   | 0  |
| 1. Pigs  |   | 0   |   |   | 0  |
| 2. Other Farm Animals                                |   | 0   |   |   | 0  |
| 3. Other Animals                                     |   |   |   |   |  |
| White-Throated Woodrats                              |   | 12  |   |   | 12   |

ASSURANCE STATEMENTS

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|--|--|-------------------------|
| CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL<br>( Chief Executive Officer or Legally Responsible Institutional Official )<br>I certify that the above is true, correct, and complete ( 7 U.S.C. Section 2143 ) |  |                         |
| SIGNATURE:   | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | DATE SIGNED             |
| 9/29/00  | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | DATE SIGNED<br>10/10/00 |

UNITED STATES DEPARTMENT OF AGRICULTURE  
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 43-R-0031

FORM APPROVED  
OMB NO. 0579-0038

CUSTOMER NUMBER: 1425

ANNUAL REPORT OF RESEARCH FACILITY  
(TYPE OR PRINT)

C C D Jefferson County

1000 Viking Dr SEP 28 2000

Telephone:  
(314)789-3951



Hillsboro, MO 63050

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

Jefferson College 1000 Viking Dr  
Hillsboro, MO 63050

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  |   | 120   | 60  |   | 180  |
| 5. Cats  |   | 120   | 60  |   | 180  |
| 6. Guinea Pigs                                       |   |   | 10  |   | 10   |
| 7. Hamsters  |   |   |   |   |  |
| 8. Rabbits   |   |   | 6   |   | 6  |
| 9. Non-human Primates                                |   |   |   |   |  |
| 0. Sheep   |   |   |   |   |  |
| 1. Pigs  |   |   |   |   |  |
| 2. Other Farm Animals                                |   | 1 horse<br>12 cattle  |   |   | 1 horse<br>12 cattle                           |
| 3. Other Animals                                     |   | 2 goats   |   |   | 2 goats  |

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)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

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

DATE SIGNED

AP

( AUG 91 )

9/26/00



**Attachment 1: 2000 USDA Annual Report**

3. Reporting Facility (Pharmacia/Monsanto Facility Locations):

Creve Coeur Facility (Z Building)  
800 N. Lindbergh Blvd.  
St. Louis, MO 63167

Chesterfield Facilities (GG & BB Buildings)  
700 Chesterfield Village Parkway  
St. Louis, MO 63198

Newstead Facility  
645 So. Newstead  
St. Louis, MO 63110

|   |   |                                    |
|---|---|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE<br>ANIMAL AND PLANT HEALTH INSPECTION SERVICE<br><br><b>ANNUAL REPORT OF RESEARCH FACILITY</b><br>(TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 43-R-0035<br>CUSTOMER NUMBER: 1438                             | FORM APPROVED<br>OMB NO. 0579-0038 |
|   | Farmland Industries Inc<br>Po Box 7305<br>Dept 192 Attn:<br><br>Kansas City, MO 64116 | Telephone:<br>(913)721-2600        |

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

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|--|---|---|---|---|--|
| 4. Dogs  |   | 78  | Ø   | Ø   | 78   |
| 5. Cats  |   | 21  | Ø   | Ø   | 21   |
| 6. Guinea Pigs                                       |   |   |   |   |  |
| 7. Hamsters  |   |   |   |   |  |
| 8. Rabbits   |   |   |   |   |  |
| 9. Non-human Primates                                |   |   |   |   |  |
| 0. Sheep   |   |   |   |   |  |
| 1. Pigs  |   |   |   |   |  |
| 2. Other Farm Animals                                |   |   |   |   |  |
| 3. 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<br>( Chief Executive Officer or Legally Responsible Institutional Official )<br>I certify that the above is true, correct, and complete ( 7 U.S.C. Section 2143 ) | DATE SIGNED<br>4/28/06 |
|--|------------------------|

## ANNUAL REPORT OF RESEARCH FACILITY

### 3. REPORTING FACILITY:

Facility is located at Farmland Research Farm, 13651  
Donohoo Street, Kansas City, Kansas 66109.  
Phone: 913-721-2600 ext. 112 or 121.

|   |   |                                    |
|---|---|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE<br>ANIMAL AND PLANT HEALTH INSPECTION SERVICE<br><br><b>ANNUAL REPORT OF RESEARCH FACILITY</b><br>(TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 43-R-0036<br>CUSTOMER NUMBER: 1483 | FORM APPROVED<br>OMB NO. 0579-0038 |
| Little Creek Farm Inc<br>Po Box 2911<br><br>Leslie, MO 63056  |   | Telephone:<br>(573)484-3085        |

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

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|--|---|---|---|---|--|
| 4. Dogs  |   |   |   |   |  |
| 5. Cats  |   |   |   |   |  |
| 6. Guinea Pigs                                       |   |   |   |   |  |
| 7. Hamsters  |   |   |   |   |  |
| 8. Rabbits   |   | 160   | 64  |   | 224  |
| 9. Non-human Primates                                |   |   |   |   |  |
| 0. Sheep   | 2   | 2   | 8   |   | 10   |
| 1. Pigs  |   |   |   |   |  |
| 2. Other Farm Animals<br>goats                       | 138   |   | 36  |   | 36   |
| donkeys  | 1   | 3   | 1   |   | 4  |
| 3. Other Animals                                     |   |   |   |   |  |
|  |   |   |   |   |  |
|  |   |   |   |   |  |
|  |   |   |   |   |  |
|  |   |   |   |   |  |

**ASSURANCE STATEMENTS**

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|  |  |             |
|--|--|-------------|
| CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL<br>( Chief Executive Officer or Legally Responsible Institutional Official )<br>I certify that the above is true, correct, and complete ( 7 U.S.C. Section 2143 ) |  |             |
| SIGN.  | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL ( Type or Print ) | DATE SIGNED |
|  |  | 11-20-00    |

|   |   |                                    |
|---|---|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE<br>ANIMAL AND PLANT HEALTH INSPECTION SERVICE<br><br><b>ANNUAL REPORT OF RESEARCH FACILITY</b><br>(TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 43-R-0037<br>CUSTOMER NUMBER: 1423 | FORM APPROVED<br>OMB NO. 0579-0038 |
| Central Mo State Univ<br>Wcm Science 306<br><br>Warrensburg, MO 64093   |   | Telephone:<br>(816)543-4933        |

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  |   |   |   |   |  |
| 5. Cats  |   |   |   |   |  |
| 6. Guinea Pigs                                       |   |   |   |   |  |
| 7. Hamsters  |   |   |   |   |  |
| 8. Rabbits   | 0   | 5   | 0   | 0   | 5  |
| 9. Non-human Primates                                |   |   |   |   |  |
| 0. Sheep   |   |   |   |   |  |
| 1. Pigs  |   |   |   |   |  |
| 2. Other Farm Animals                                |   |   |   |   |  |
| 3. Other Animals - wild                              |   |   |   |   |  |
| Opossum  | 0   | 8   | 0   | 0   | 8  |
| Raccoon  | 0   | 2   | 0   | 0   | 2  |
| Gopher   | 0   | 13  | 0   | 0   | 13   |

**ASSURANCE STATEMENTS**

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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 CEO OR INSTITUTIONAL OFFICIAL (Type or Print) \_\_\_\_\_ DATE SIGNED **11-06-00**

P



UNITED STATES DEPARTMENT OF AGRICULTURE  
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 43-R-0041  
CUSTOMER NUMBER: 1416

FORM APPROVED  
OMB NO. 0579-0038

ANNUAL REPORT OF RESEARCH FACILITY  
(TYPE OR PRINT)

Central Inst For The Deaf  
818 S Euclid Ave  
4560 Clayton Ave.  
St Louis, MO 63110

NOV 27  
Telephone:  
(314)977-0271

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

FACILITY LOCATIONS (Sites) - See Attached Listing

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

| A. Animals Covered By The Animal Welfare Regulations | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet 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 NUMBER OF ANIMALS (COLUMNS C + D + E) |
|--|---|---|---|---|--|
| 4. Dogs  |   |   |   |   |  |
| 5. Cats  |   |   |   |   |  |
| 6. Guinea Pigs                                       |   |   |   |   |  |
| 7. Hamsters  | 24  |   | 20  |   | 20   |
| 8. Rabbits   |   |   |   |   |  |
| 9. Non-human Primates                                |   |   |   |   |  |
| 0. Sheep   |   |   |   |   |  |
| 1. Pigs  |   |   |   |   |  |
| 2. Other Farm Animals                                |   |   |   |   |  |
| 3. 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 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)

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

DATE SIGNED

11/22/0

**Annual Report Site Listing:**

Customer ID and Site Address:

Cust ID: 1416

~~818 S. Euclid Ave~~  
St Louis, MO 63110  
County: St Louis

Telephone  
(314)977-0271

4560 Clayton Ave.

NOV 24 2000

See attached form for additional information.

Interagency Report Control No.: 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE  
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 43-R-0043

FORM APPROVED  
OMB NO. 0578-0038

CUSTOMER NUMBER: 1402

ANNUAL REPORT OF RESEARCH FACILITY  
(TYPE OR PRINT)

Missouri Laser Institute Inc  
222 S Woods Mill Rd Ste 400

Telephone:  
(314)542-2229

Chesterfield, MO 63017

*Please Accept as final report*

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

FACILITY LOCATIONS (Sites) - See Attached Listing

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

| A. Animals Covered By The Animal Welfare Regulations | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet 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 NUMBER OF ANIMALS (COLUMNS C + D + E) |
|--|---|---|---|---|--|
| 4. Dogs  |   |   |   |   |  |
| 5. Cats  |   |   |   |   |  |
| 6. Guinea Pigs                                       |   |   |   |   |  |
| 7. Hamsters  |   |   |   |   |  |
| 8. Rabbits   |   |   |   |   |  |
| 9. Non-human Primates                                |   |   |   |   |  |
| 0. Sheep   |   |   |   |   |  |
| 1. Pigs  |   |   | 4   |   | 4  |
| 2. Other Farm Animals                                |   |   |   |   |  |
| 3. 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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- 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)  
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

\_\_\_\_\_  
i.e.t.)

DATE SIGNED  
11/20/00

rt Site Listing:

nd Site Address:

Dr. Ste  
63044  
uis

Telephone  
(314)344-7550

*used in business*

*Accept as final report*

NOV 24 2000

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 21

See attached form for additional information.

Interagency Report Control No.: 0180-DOA-AN

|   |   |                                    |
|---|---|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE<br>ANIMAL AND PLANT HEALTH INSPECTION SERVICE<br><br><b>ANNUAL REPORT OF RESEARCH FACILITY</b><br>(TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 43-R-0046<br>CUSTOMER NUMBER: 1463 | FORM APPROVED<br>OMB NO. 0579-0038 |
| University Of Missouri-St Louis<br>Office Of Research<br>8001 Natural Bridge<br><br>St Louis, MO 63121  |   | Telephone:<br>(314)516-5928        |



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

FACILITY LOCATIONS ( Sites ) - See Attached Listing

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

| A. Animals Covered By The Animal Welfare Regulations | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet 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 NUMBER OF ANIMALS ( COLUMNS C + D + E ) |
|--|---|---|---|---|--|
| 4. Dogs  |   |   |   |   |  |
| 5. Cats  | 2   | 0   | 2   | 0   | 2  |
| 6. Guinea Pigs                                       |   |   |   |   |  |
| 7. Hamsters  |   |   |   |   |  |
| 8. Rabbits   |   |   |   |   |  |
| 9. Non-human Primates                                |   |   |   |   |  |
| 0. Sheep   |   |   |   |   |  |
| 1. Pigs  |   |   |   |   |  |
| 2. Other Farm Animals                                |   |   |   |   |  |
| 3. Other Animals                                     |   |   |   |   |  |
| Prairie Vole   | 60  | 123   | 0   | 0   | 123  |
| Otters   | 0   | 0   | 8   | 0   | 8  |

**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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- 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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\_\_\_\_\_  
 HEADQUARTERS RESEARCH FACILITY OFFICIAL  
 Officer or Legally Responsible Institutional Official )  
 ( Signature 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  
 22X10

**Annual Report Site Listing:**

Customer ID and Site Address:

Customer ID: 1463

101 Natural Bridge

Bluffs

St. Louis, MO 63121

County: St. Louis

Telephone

(314)516-5928

Stadler Animal Facility S501 - S524

Optometry Animal Facility, Room 109 South Campus Classroom Bldg.

UNITED STATES DEPARTMENT OF AGRICULTURE  
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 43-R-0047  
CUSTOMER NUMBER: 1462

FORM APPROVED  
OMB NO 0579-0038

ANNUAL REPORT OF RESEARCH FACILITY  
(TYPE OR PRINT)

University Of Missouri-Kansas-Kansas City  
Office Of Research Admin  
5100 Rockhill Rd  
Kansas City, MO 64110

Telephone:  
(816)235-1681



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)

Volker Campus  
Laboratory Animal Center

FACILITY LOCATIONS ( Sites ) - See Attached Listing

Hospital Hill Campus  
Laboratory Animal Center

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

| A. Animals Covered By The Animal Welfare Regulations | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. ( An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report ). | F. TOTAL NUMBER OF ANIMALS ( COLUMNS C + D + E ) |
|--|---|---|---|---|--|
| 4. Dogs  |   |   | 8   |   | 8  |
| 5. Cats  |   |   | 10  |   | 10   |
| 6. Guinea Pigs                                       |   |   |   |   |  |
| 7. Hamsters  |   |   |   |   |  |
| 8. Rabbits   |   | 56  | 301   |   | 357  |
| 9. Non-human Primates                                |   |   |   |   |  |
| 0. Sheep   |   |   |   |   |  |
| 1. Pigs  |   |   | 23  |   | 23   |
| 2. Other Farm Animals                                |   |   |   |   |  |
| 3. 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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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL  
( Chief Executive Officer or Legally Responsible Institutional Official )  
I certify that the above is true, correct, and complete ( 7 U.S.C. Section 2143 )

DATE SIGNED

10-10-10

|   |   |                                    |
|---|---|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE<br>ANIMAL AND PLANT HEALTH INSPECTION SERVICE<br><br><b>ANNUAL REPORT OF RESEARCH FACILITY</b><br>(TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 43-R-0050<br>CUSTOMER NUMBER: 1358             | FORM APPROVED<br>OMB NO. 0579-0036 |
|   | Royal Canin U.S.A.<br>5600 Mexico Rd Ste 2<br><br>St Peters, MO 63376 | Telephone:<br>(573)364-1312        |

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

FACILITY LOCATIONS (Sites) - See Attached Listing

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

| A. Animals Covered By The Animal Welfare Regulations | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet 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 NUMBER OF ANIMALS (COLUMNS C + D + E) |
|--|---|---|---|---|--|
| 4. Dogs  | 0   | 77  | 0   | 0   | 77   |
| 5. Cats  | 0   | 33  | 0   | 0   | 33   |
| 6. Guinea Pigs                                       |   |   |   |   |  |
| 7. Hamsters  |   |   |   |   |  |
| 8. Rabbits   |   |   |   |   |  |
| 9. Non-human Primates                                |   |   |   |   |  |
| 0. Sheep   |   |   |   |   |  |
| 1. Pigs  |   |   |   |   |  |
| 2. Other Farm Animals                                |   |   |   |   |  |
| 3. 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 use.

**CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL**  
 ( Chief Executive Officer or Legally Responsible Institutional Official )  
 I certify that the above is true, correct, and complete ( 7 U.S.C. Section 2143 )

DATE SIGNED  
 11/10/2002

**Annual Report Site Listing:**

Customer ID and Site Address:

Cust ID: 1358

1700 Bridge School Rd  
Rolla, MO 65402  
County: Phelps

Telephone  
(573)364-1312

|   |   |                                    |
|---|---|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE<br>ANIMAL AND PLANT HEALTH INSPECTION SERVICE<br><br><b>ANNUAL REPORT OF RESEARCH FACILITY</b><br>(TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 43-R-0051<br>CUSTOMER NUMBER: 1422 | FORM APPROVED<br>OMB NO. 0579-0036 |
| Immvac Inc<br>6080 Bass Ln<br><br>Columbia, MO 65201  |   | Telephone:<br>(573)443-5363        |

**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)

SAME AS ABOVE

FACILITY LOCATIONS (Sites) - See Attached Listing

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

| A. Animals Covered By The Animal Welfare Regulations | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report.) | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|--|---|---|---|---|--|
| 4. Dogs  |   |   |   |   |  |
| 5. Cats  |   |   |   |   |  |
| 6. Guinea Pigs                                       |   |   |   |   |  |
| 7. Hamsters  |   |   |   |   |  |
| 8. Rabbits   |   |   |   |   |  |
| 9. Non-human Primates                                |   |   |   |   |  |
| 0. Sheep   |   |   |   |   |  |
| 1. Pigs  |   |   |   |   |  |
| 2. Other Farm Animals                                |   |   |   |   |  |
| Horses   | 0   | 0   | 32  | 0   | 32   |
| 3. 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.
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|  |  |             |
|--|--|-------------|
| CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL<br>( Chief Executive Officer or Legally Responsible Institutional Official )<br>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 |
|  |  | 9-26-0      |

|   |   |                                    |
|---|---|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE<br>ANIMAL AND PLANT HEALTH INSPECTION SERVICE<br><br><b>ANNUAL REPORT OF RESEARCH FACILITY</b><br>(TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 43-R-0054<br>CUSTOMER NUMBER: 1445                   | FORM APPROVED<br>OMB NO. 0579-0038 |
|   | Friskies R & D<br>Westreco Inc<br>3916 Pettis Rd<br><br>St Joseph, MO 64503 | Telephone:<br>(816)387-4100        |

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

FACILITY LOCATIONS ( Sites ) - See Attached Listing

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

| A. Animals Covered By The Animal Welfare Regulations | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet 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 NUMBER OF ANIMALS ( COLUMNS C + D + E ) |
|--|---|---|---|---|--|
| 4. Dogs  | 0   | 259   | 0   | 0   | 259  |
| 5. Cats  | 0   | 693   | 0   | 0   | 693  |
| 6. Guinea Pigs                                       |   |   |   |   |  |
| 7. Hamsters  |   |   |   |   |  |
| 8. Rabbits   |   |   |   |   |  |
| 9. Non-human Primates                                |   |   |   |   |  |
| 0. Sheep   |   |   |   |   |  |
| 1. Pigs  |   |   |   |   |  |
| 2. Other Farm Animals                                |   |   |   |   |  |
| 3. 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<br>( Chief Executive Officer or Legally Responsible Institutional Official )<br><i>I certify that the above is true, correct, and complete ( 7 U.S.C. Section 2143 )</i> |  |             |
| SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL   | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL ( Type or Print ) | DATE SIGNED |
|   |  | 10/5/00     |

|   |   |   |
|---|---|---|
| UNITED STATES DEPARTMENT OF AGRICULTURE<br>ANIMAL AND PLANT HEALTH INSPECTION SERVICE<br><br><b>ANNUAL REPORT OF RESEARCH FACILITY</b><br>(TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 43-R-0057<br>CUSTOMER NUMBER: 1418 | FORM APPROVED<br>OMB NO. 0579-0038 <i>DA</i>            |
| Heartland Health Center<br>5325 Faraon St<br><br>St Joseph, MO 64506  |   | NOV 27 1993 <i>Paris</i><br>Telephone:<br>(816)271-6000 |

**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)**

*Heartland Regional Medical Ctr - West*  
*8th + Faraon, St Joseph MO 64501*

FACILITY LOCATIONS (Sites) - See Attached Listing

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

| A. Animals Covered By The Animal Welfare Regulations | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report.) | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|--|---|---|---|---|--|
| 4. Dogs  |   |   |   |   |  |
| 5. Cats  | <i>0</i>  | <i>0</i>  | <i>28</i>   |   | <i>28</i>                                      |
| 6. Guinea Pigs                                       |   |   |   |   |  |
| 7. Hamsters  |   |   |   |   |  |
| 8. Rabbits   |   |   |   |   |  |
| 9. Non-human Primates                                |   |   |   |   |  |
| 0. Sheep   |   |   |   |   |  |
| 1. Pigs  |   |   |   |   |  |
| 2. Other Farm Animals                                |   |   |   |   |  |
| 3. 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 use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL  
 or Legally Responsible Institutional Official )  
 true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED  
*11/29/93*

UNITED STATES DEPARTMENT OF AGRICULTURE  
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 43-R-0101  
CUSTOMER NUMBER: 1407

FORM APPROVED  
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY  
(TYPE OR PRINT)

Antigen Laboratories Inc  
28-36 S Main St

007 16



Telephone:  
(816)781-5222

Liberty, MO 64068

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

FACILITY LOCATIONS (Sites) - See Attached Listing

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

| A. Animals Covered By The Animal Welfare Regulations | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet 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 NUMBER OF ANIMALS (COLUMNS C + D + E) |
|--|---|---|---|---|--|
| 4. Dogs  |   |   |   |   |  |
| 5. Cats  |   |   |   |   |  |
| 6. Guinea Pigs                                       | 0   | 917   | 0   | 0   | 917  |
| 7. Hamsters  |   |   |   |   |  |
| 8. Rabbits   |   |   |   |   |  |
| 9. Non-human Primates                                |   |   |   |   |  |
| 0. Sheep   |   |   |   |   |  |
| 1. Pigs  |   |   |   |   |  |
| 2. Other Farm Animals                                |   |   |   |   |  |
| 3. 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 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)

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

DATE SIGNED

10/10/00

|   |   |   |
|---|---|---|
| UNITED STATES DEPARTMENT OF AGRICULTURE<br>ANIMAL AND PLANT HEALTH INSPECTION SERVICE<br><br><b>ANNUAL REPORT OF RESEARCH FACILITY</b><br>(TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 43-R-0102<br>CUSTOMER NUMBER: 1381 | FORM APPROVED<br>OMB NO. 0579-0038<br><br>NOV 30<br><br>Telephone:<br>(816)562-1155 |
| N W Missouri State University<br>800 University Dr<br><br>Maryville, MO 64468   |   |   |

**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)

203B Garrett-Strong Bldg. FACILITY LOCATIONS (Sites) - See Attached Listing  
 800 University Drive, Northwest Missouri State University, Maryville, MO 64468

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

| A. Animals Covered By The Animal Welfare Regulations | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report). | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|--|---|---|---|---|--|
| 4. Dogs  | none  | none  | none  | none  |  |
| 5. Cats  | none  | none  | none  | none  |  |
| 6. Guinea Pigs                                       | none  | none  | none  | none  |  |
| 7. Hamsters  | none  | none  | none  | none  |  |
| 8. Rabbits   | none  | none  | twelve  | none  | twelve   |
| 9. Non-human Primates                                | none  | none  | none  | none  |  |
| 0. Sheep   | none  | none  | none  | none  |  |
| 1. Pigs  | none  | none  | none  | none  |  |
| 2. Other Farm Animals                                | none  | none  | none  | none  |  |
| 3. Other Animals                                     | none  | none  | none  | none  |  |

**ASSURANCE STATEMENTS**

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

|  |  |                           |
|--|--|---------------------------|
| CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL<br>( Chief Executive Officer or Legally Responsible Institutional Official )<br><i>( the above is true, correct, and complete ( 7 U.S.C. Section 2143 )</i> |  |                           |
| SIGNATURE C  | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL ( Type or Print ) | DATE SIGNED<br><br>11/28/ |

|   |   |  |
|---|---|--|
| UNITED STATES DEPARTMENT OF AGRICULTURE<br>ANIMAL AND PLANT HEALTH INSPECTION SERVICE<br><br><b>ANNUAL REPORT OF RESEARCH FACILITY</b><br>(TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 43-R-0104<br>CUSTOMER NUMBER: 1542 | FORM APPROVED<br>OMB NO. 0579-0036<br>NOV 30 2005<br>Telephone:<br>(573)446-6464 |
| Sinclair Research Center<br>5701 S Sinclair Rd<br><br>Columbia, MO 65203  |   |  |

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

FACILITY LOCATIONS ( Sites ) - See Attached Listing

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

| A. Animals Covered By The Animal Welfare Regulations | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet 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 NUMBER OF ANIMALS (COLUMNS C + D + E) |
|--|---|---|---|---|--|
| 4. Dogs  | 30  | 271   |   |   | 271  |
| 5. Cats  | 320   | 159   |   |   | 159  |
| 6. Guinea Pigs                                       |   |   |   |   | ---  |
| 7. Hamsters  |   |   |   |   | ---  |
| 8. Rabbits   |   |   |   |   | ---  |
| 9. Non-human Primates                                |   |   |   |   | ---  |
| 0. Sheep   |   |   |   |   | ---  |
| 1. Pigs  | 1282  | 79  |   |   | 79   |
| 2. Other Farm Animals                                |   |   |   |   | ---  |
| Horses   | 8   |   |   |   | 8  |
| 3. 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 use.

|   |  |                         |
|---|--|-------------------------|
| CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL<br>( Chief Executive Officer or Legally Responsible Institutional Official )<br><i>I certify that the above is true, correct, and complete ( 7 U.S.C. Section 2143 )</i> |  |                         |
| SK _____  | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | DATE SIGNED<br>11/29/00 |

|   |  |                                    |
|---|--|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE<br>ANIMAL AND PLANT HEALTH INSPECTION SERVICE | 1. CERTIFICATE NUMBER: 43-R-0105<br>CUSTOMER NUMBER: 1591                  | FORM APPROVED<br>OMB NO. 0579-0038 |
| ANNUAL REPORT OF RESEARCH FACILITY<br>(TYPE OR PRINT)                                 | Missouri Western State College<br>4525 Downs Dr<br><br>St Joseph, MO 64507 | Telephone:<br>(816)271-4234        |

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 Dept. SM 201

FACILITY LOCATIONS (Sites) - See Attached Listing

| A. Animals Covered By The Animal Welfare Regulations | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report.) | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|--|---|---|---|---|--|
| 4. Dogs  | 0   | 0   | 0   | 0   | 0  |
| 5. Cats  | 0   | 6   | 0   | 0   | 0  |
| 6. Guinea Pigs                                       | 0   | 0   | 0   | 0   | 0  |
| 7. Hamsters  | 0   | 0   | 0   | 0   | 0  |
| 8. Rabbits   | 0   | 5   | 0   | 0   | 5  |
| 9. Non-human Primates                                | 0   | 0   | 0   | 0   | 0  |
| 0. Sheep   | 0   | 0   | 0   | 0   | 0  |
| 1. Pigs  | 0   | 0   | 0   | 0   | 0  |
| 2. Other Farm Animals                                | 0   | 0   | 0   | 0   | 0  |
| 3. Other Animals                                     | 0   | 0   | 0   | 0   | 0  |

**ASSURANCE STATEMENTS**

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

DATE SIGNED

11/25/00

|   |   |                                       |
|---|---|---------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE<br>ANIMAL AND PLANT HEALTH INSPECTION SERVICE<br><br><b>ANNUAL REPORT OF RESEARCH FACILITY</b><br>(TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 43-R-0107<br>CUSTOMER NUMBER: 1595             | FORM APPROVED<br>OMB NO. 0579-0038    |
|   | Linco Research Inc<br>14 Research Park Dr<br><br>St Charles, MO 63123 | NOV 30<br>Telephone:<br>(314)441-8400 |

**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.<br>Animals Covered<br>By The Animal<br>Welfare Regulations | B. Number of<br>animals being<br>bred,<br>conditioned, or<br>held for use in<br>teaching, testing,<br>experiments,<br>research, or<br>surgery but not<br>yet used for such<br>purposes. | C. Number of<br>animals upon<br>which teaching,<br>research,<br>experiments, or<br>tests were<br>conducted<br>involving no pain,<br>distress, or use<br>of pain-relieving<br>drugs. | D. Number of animals upon<br>which experiments,<br>teaching, research,<br>surgery, or tests were<br>conducted involving<br>accompanying pain or<br>distress to the animals<br>and for which<br>appropriate anesthetic,<br>analgesic, or<br>tranquilizing drugs were<br>used. | E. Number of animals upon which teaching, experiments,<br>research, surgery or tests were conducted involving<br>accompanying pain or distress to the animals and for<br>which the use of appropriate anesthetic, analgesic, or<br>tranquilizing drugs would have adversely affected the<br>procedures, results, or interpretation of the teaching,<br>research, experiments, surgery, or tests. ( An<br>explanation of the procedures producing pain or distress<br>in these animals and the reasons such drugs were not<br>used must be attached to this report ). | F.<br><br>TOTAL NUMBER<br>OF ANIMALS<br><br>( COLUMNS<br>C + D + E ) |
|---|---|---|--|--|--|
| 4. Dogs   |   |   |  |  |  |
| 5. Cats   |   |   |  |  |  |
| 6. Guinea Pigs  | 7   | 40  |  |  | 40   |
| 7. Hamsters   |   |   |  |  |  |
| 8. Rabbits  |   |   |  |  |  |
| 9. Non-human Primates   |   |   |  |  |  |
| 0. Sheep  |   |   |  |  |  |
| 1. Pigs   |   |   |  |  |  |
| 2. Other Farm Animals   |   |   |  |  |  |
| 3. 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 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 )

Type or Print

DATE SIGNED

11/27/0

**Annual Report Site Listing:**

Customer ID and Site Address:

Cust ID: 1595

14 Research Park  
Drive  
St Charles, MO 63123  
County: St Charles

Telephone  
(314)441-8400

NOV 24 2000

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 for additional information. 5

Interagency Report Coordinate 0180-DOA-AN



UNITED STATES DEPARTMENT OF AGRICULTURE  
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

43-R-0108

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)

ABC Laboratories, Inc  
7200 E ABC LN  
Columbia Mo 65202  
Status: Active

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.)

ABC Laboratories and UMC Foremost Dairy Research Center

FACILITY LOCATIONS (Sites)

ABC Laboratories

UMC - Large Animal Center

UMC Foremost Dairy Research Center

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

| A. Animals Covered By The Animal Welfare Regulations | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report). | F. TOTAL NO OF ANIMALS (Cols. C + D + E) |
|--|---|---|--|---|--|
| 4. Dogs  |   | 4   |  |   | 4  |
| 5. Cats  |   |   |  |   |  |
| 6. Guinea Pigs                                       |   |   |  |   |  |
| 7. Hamsters  |   |   |  |   |  |
| 8. Rabbits   |   |   |  |   |  |
| 9. Non-human Primates                                |   | 6   |  |   | 6  |
| 10. Sheep  |   |   |  |   |  |
| 11. Pigs   |   |   |  |   |  |
| 12. Other Farm Animals<br>Dairy Cattle               |   | 2   |  |   | 2  |
| 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 use.

CERTIFICATION BY HEADQUARTER 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

NAME & TITLE OF CEO OR INSTITUTIONAL OFFICIAL

DATE SIGNED  
Nov 22  
2000

|   |   |   |
|---|---|---|
| UNITED STATES DEPARTMENT OF AGRICULTURE<br>ANIMAL AND PLANT HEALTH INSPECTION SERVICE<br><br><b>ANNUAL REPORT OF RESEARCH FACILITY</b><br>(TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 43-R-0111<br>CUSTOMER NUMBER: 1677 | FORM APPROVED<br>OMB NO. 0579-0036<br><br>Telephone:<br>(573)681-5074 |
| Lincoln University<br>Po Box 29<br><br>Jefferson City, MO 65102   |   |   |

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

FACILITY LOCATIONS ( Sites ) - See Attached Listing

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

| A.<br>Animals Covered<br>By The Animal<br>Welfare Regulations | B. Number of<br>animals being<br>bred,<br>conditioned, or<br>held for use in<br>teaching, testing,<br>experiments,<br>research, or<br>surgery but not<br>yet used for such<br>purposes. | C. Number of<br>animals upon<br>which teaching,<br>research,<br>experiments, or<br>tests were<br>conducted<br>involving no pain,<br>distress, or use<br>of pain-relieving<br>drugs. | D. Number of animals upon<br>which experiments,<br>teaching, research,<br>surgery, or tests were<br>conducted involving<br>accompanying pain or<br>distress to the animals<br>and for which<br>appropriate anesthetic,<br>analgesic, or<br>tranquilizing drugs were<br>used. | E. Number of animals upon which teaching, experiments,<br>research, surgery or tests were conducted involving<br>accompanying pain or distress to the animals and for<br>which the use of appropriate anesthetic, analgesic, or<br>tranquilizing drugs would have adversely affected the<br>procedures, results, or interpretation of the teaching,<br>research, experiments, surgery, or tests. ( An<br>explanation of the procedures producing pain or distress<br>in these animals and the reasons such drugs were not<br>used must be attached to this report ). | F.<br><br>TOTAL NUMBER<br>OF ANIMALS<br><br>( COLUMNS<br>C + D + E ) |
|---|---|---|--|--|--|
| 4. Dogs   |   |   |  |  | 0  |
| 5. Cats   |   |   |  |  | 0  |
| 6. Guinea Pigs  |   |   |  |  | 0  |
| 7. Hamsters   |   |   |  |  | 0  |
| 8. Rabbits  |   | 13  |  |  | 13   |
| 9. Non-human Primates   |   |   |  |  | 0  |
| 0. Sheep  |   |   |  |  | 0  |
| 1. Pigs   |   |   |  |  | 0  |
| 2. Other Farm Animals   |   |   |  |  | 0  |
| 3. Other Animals  |   |   |  |  |  |
| Rats  |   | 84  | 300  |  | 384  |
| Mice  |   |   | 100  |  | 100  |

ASSURANCE STATEMENTS

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

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL  
 ( Chief Executive Officer or Legally Responsible Institutional Official )  
 I certify that the above is true, correct, and complete ( 7 U.S.C. Section 2143 )

|   |  |             |
|---|--|-------------|
| SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL ( Type or Print ) | DATE SIGNED |
|   |  | 11/16/00    |

|   |   |                                    |
|---|---|------------------------------------|
| UNITED STATES DEPARTMENT OF AGRICULTURE<br>ANIMAL AND PLANT HEALTH INSPECTION SERVICE<br><br><b>ANNUAL REPORT OF RESEARCH FACILITY</b><br>(TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 43-R-0112<br>CUSTOMER NUMBER: 1757 | FORM APPROVED<br>OMB NO. 0578-0038 |
| Southeast Missouri State<br>One University Plaza<br><br>Cape Girardeau, MO 63701  |   | Telephone:<br>(573)651-2000        |

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

FACILITY LOCATIONS ( Sites ) - See Attached Listing

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

| A. Animals Covered By The Animal Welfare Regulations | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet 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 NUMBER OF ANIMALS ( COLUMNS C + D + E ) |
|--|---|---|---|---|--|
| 4. Dogs  |   |   |   |   |  |
| 5. Cats  |   |   |   |   |  |
| 6. Guinea Pigs                                       |   |   |   |   |  |
| 7. Hamsters  |   |   |   |   |  |
| 8. Rabbits   |   |   |   |   |  |
| 9. Non-human Primates                                |   |   |   |   |  |
| 0. Sheep   |   |   |   |   |  |
| 1. Pigs  |   |   |   |   |  |
| 2. Other Farm Animals                                |   |   |   |   |  |
| 3. Other Animals                                     |   |   |   |   |  |
| Sugar Glider   | 15  | 15  | 0   | 0   | 15   |
| Northern Flying Squirrel                             | 2   | 2   | 0   | 0   | 2  |

ASSURANCE STATEMENTS

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

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL  
 ( Chief Executive Officer or Legally Responsible Institutional Official )  
 I certify that the above is true, correct, and complete ( 7 U.S.C. Section 2143 )

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

DATE SIGNED  
 10/12/02

which is obsolete.)

**Annual Report Site Listing:**

Customer ID and Site Address:

Cust ID: 1757

One University Plaza

Telephone

Cape Girardeau, MO 63701 4799

(573)651-2170

County: Cape Girardeau

Animals are housed in Room 318A Rhodes Hall.

|   |   |  |
|---|---|--|
| UNITED STATES DEPARTMENT OF AGRICULTURE<br>ANIMAL AND PLANT HEALTH INSPECTION SERVICE<br><br><b>ANNUAL REPORT OF RESEARCH FACILITY</b><br>(TYPE OR PRINT) | 1. CERTIFICATE NUMBER: 43-R-0114<br>CUSTOMER NUMBER: 1823 | FORM APPROVED<br>OMB NO. 0579-0038<br> |
| Quintiles, Inc<br>10245 Hickman Mills Dr<br><br>Kansas City, MO 64137   |   | Telephone:<br>(816)303-6000<br>        |

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.<br>Animals Covered<br>By The Animal<br>Welfare Regulations | B. Number of<br>animals being<br>bred,<br>conditioned, or<br>held for use in<br>teaching, testing,<br>experiments,<br>research, or<br>surgery but not<br>yet used for such<br>purposes. | C. Number of<br>animals upon<br>which teaching,<br>research,<br>experiments, or<br>tests were<br>conducted<br>involving no pain,<br>distress, or use<br>of pain-relieving<br>drugs. | D. Number of animals upon<br>which experiments,<br>teaching, research,<br>surgery, or tests were<br>conducted involving<br>accompanying pain or<br>distress to the animals<br>and for which<br>appropriate anesthetic,<br>analgesic, or<br>tranquilizing drugs were<br>used. | E. Number of animals upon which teaching, experiments,<br>research, surgery or tests were conducted involving<br>accompanying pain or distress to the animals and for<br>which the use of appropriate anesthetic, analgesic, or<br>tranquilizing drugs would have adversely affected the<br>procedures, results, or interpretation of the teaching,<br>research, experiments, surgery, or tests. ( An<br>explanation of the procedures producing pain or distress<br>in these animals and the reasons such drugs were not<br>used must be attached to this report ). | F.<br>TOTAL NUMBER<br>OF ANIMALS<br><br>( COLUMNS<br>C + D + E ) |
|---|---|---|--|--|--|
| 4. Dogs   | 19  | 61  |  |  | <del>80</del> 61   |
| 5. Cats   |   |   |  |  |  |
| 6. Guinea Pigs  |   |   | 35   |  | 35   |
| 7. Hamsters   |   |   |  |  |  |
| 8. Rabbits  |   |   |  |  |  |
| 9. Non-human Primates   |   |   |  |  |  |
| 0. Sheep  |   |   |  |  |  |
| 1. Pigs   |   |   |  |  |  |
| 2. Other Farm Animals   |   |   |  |  |  |
| 3. 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 use.

|  |                         |
|--|-------------------------|
| CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL<br>( Chief Executive Officer or Legally Responsible Institutional Official )<br>I certify that the above is true, correct, and complete ( 7 U.S.C. Section 2143 ) |                         |
| _____<br>( NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL ( Type or Print ) )  | DATE SIGNED<br>11/27/00 |

UNITED STATES DEPARTMENT OF AGRICULTURE  
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 43-R-0002  
CUSTOMER NUMBER: 1518

FORM APPROVED  
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY  
(TYPE OR PRINT)

Scientific Associates Inc  
Celsis Laboratory Group, St Louis, Inc  
6200 S Lindbergh Blvd

NOV 30  
Telephone:  
(314)487-6776

St Louis, MO 63123

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)

Celsis Laboratory Group, FACILITY LOCATIONS (Sites) - See Attached Listing MO 63123  
6200 S. Lindbergh, St. Louis

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

| A. Animals Covered By The Animal Welfare Regulations | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report.) | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|--|---|---|---|---|--|
| 4. Dogs  | 0   | 0   | 0   | 0   | 0  |
| 5. Cats  | 0   | 0   | 11  | 0   | 11   |
| 6. Guinea Pigs                                       | 4   | 173   | 0   | 0   | 173  |
| 7. Hamsters  | 0   | 0   | 0   | 0   | 0  |
| 8. Rabbits   | 12  | 418   | 0   | 45  | 463  |
| 9. Non-human Primates                                | 0   | 0   | 0   | 0   | 0  |
| 0. Sheep   | 0   | 0   | 0   | 0   | 0  |
| 1. Pigs  | 0   | 0   | 0   | 0   | 0  |
| 2. Other Farm Animals                                | 0   | 0   | 0   | 0   | 0  |
| 3. Other Animals                                     | 0   | 0   | 0   | 0   | 0  |

ASSURANCE STATEMENTS

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

11-27-00

# Celsis Laboratory Group

|  |   |
|--|---|
| <p>ANNUAL REPORT OF RESEARCH FACILITY</p> <p>Supplement</p> <p>(E. "... explanation of the procedures producing pain or distress... and the reasons such (pain relieving) drugs were not used...")</p> | <p>1. Registration Number:<br/>43-R-0002</p> <p>2. Headquarters Research Facility<br/>Celsis Laboratory Group<br/>St. Louis Division<br/>6200 South Lindbergh Blvd.<br/>St. Louis, MO 63123</p> |
|--|---|

During the period of October 1, 1999, through September 30, 2000, 45 rabbits were used in tests which were classified as causing pain or distress to the animals. Of these rabbits, 17 were used in antibody production studies involving the use of Freund's Complete Adjuvant. These animals did not appear to be in pain from the FCA use even though lesions did form on most rabbits. If animals had/have lesions present, we rinse their backs with warm sterile saline, but did not provide any other pain relieving procedures.

Of the 45 rabbits mentioned above, 24 were used in pyrogen tests which we deemed as painful or distressing. (The pyrogen test, USP 24 <151> and 21CFR Section 610.13, does not allow for the administration of pain-relieving drugs due to their potential to interfere with the test.)

1. Due to adverse reactions to the injected test sample, four rabbits were euthanized either during the test (shortly after being dosed) or at the end of the test. Two rabbits were euthanized 48 hours after pyrogen test completion, when they exhibited lethargy and paralysis on their right side.
2. 18 rabbits were involved in pyrogen tests involving a product that resulted in leaving raw skin exposed at the injection site (on the ear). It was also noted that if the sample was not fully injected intravenously, and infiltrated into the surrounding tissue of the ear, that necrosis of the injection area sometimes occurred.

Ensuring that injection needles are properly placed in the ear veins and no product drips onto the ear and that the injection site is properly occluded following the injection, assists in maintaining a healthy ear.

The remaining four rabbits receiving a column E pain classification were involved in three eye irritation tests, in which the samples were deemed to be eye irritants. By the 72 hour observations, the products these rabbits were tested on had been deemed as an eye irritant, but most observations continued until Day 21 to see if the irritation reversed. Three rabbits were euthanized following the Day 14 observation since their irritation had not reversed or improved. One rabbit was euthanized following the 72 hour observation, for this same reason.

Written by:

(b)(6) & (b)(7)(c).

Acknowledged by:

11/27/2000

276-7

UNITED STATES DEPARTMENT OF AGRICULTURE  
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 43-R-0014  
Customer Number: 1415

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)

Boehringer Ingelheim Vetmedica, Inc.  
2621 N. Belt Highway  
St. Joseph, MO 64506  
Attn:

NOV 20 2000

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)

|                       |                           |
|-----------------------|---------------------------|
| State Route "0"       | 2621 North Belt Highway   |
| Cosby, Missouri 64436 | St. Joseph, MO 64506-2002 |

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

| A. Animals Covered By The Animal Welfare Regulations. | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report). | F. TOTAL NO. OF ANIMALS (Cols. C + D + E) |
|---|---|---|---|---|---|
| 4. Dogs   | 0   | 16  | 0   | 0   | 16  |
| 5. Cats   | 0   | 13  | 0   | 0   | 13  |
| 6. Guinea Pigs  | 0   | 2,986   | 0   | 1,280   | 4,266                                     |
| 7. Hamsters   | 0   | 1,312   | 0   | 5,978   | 7,290                                     |
| 8. Rabbits  | 0   | 1,660   | 0   | 0   | 1,660                                     |
| 9. Non-human Primates                                 | N/A   | N/A   | N/A   | N/A   | N/A                                       |
| 10. Sheep   | 0   | 314   | 0   | 0   | 314                                       |
| 11. Pigs  | 0   | 546   | 0   | 0   | 546                                       |
| 12. Other Farm Animals                                |   |   |   |   |   |
| Cattle  | 0   | 919   | 0   | 0   | 919                                       |
| 13. Other Animals                                     |   |   |   |   |   |
| Horses  | 0   | 115   | 0   | 0   | 115                                       |
| Goats   | 0   | 5   | 0   | 0   | 5   |

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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- 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 HEADQUARTES 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 C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | DATE SIGNED |
|  |  | 16 Nov 00   |

2000

BOEHRINGER INGELHEIM ANIMAL HEALTH, INC.  
Registration No. 43-14  
Attachment to VS Form 7023  
Animal Care Section

Box 6-E

(b)(4)



Box 7-E