### 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, or experimentation were followed by this research facility.

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

3. This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report, in addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4. The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

### REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY

<table>
<thead>
<tr>
<th>A. Animals Covered</th>
<th>B. Number of animals bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes</th>
<th>C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.</th>
<th>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.</th>
<th>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)</th>
<th>F. TOTAL NO. OF ANIMALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. Dogs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Cats</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>6. Guinea Pigs</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>7. Hamsters</td>
<td>97</td>
<td>15</td>
<td></td>
<td></td>
<td>112</td>
</tr>
<tr>
<td>8. Rabbits</td>
<td></td>
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</tr>
<tr>
<td>9. Non-Human Primates</td>
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<tr>
<td>10. Sheep</td>
<td></td>
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</tr>
<tr>
<td>11. Pigs</td>
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<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>12. Other Farm Animals</td>
<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>13. Other Animals</td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

### CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional official)

---

**DATE SIGNED:**

11/9/01

---

(APHIS FORM 7023 (AUG 91))
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.

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

12-05-2001 RCVD

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.)

See Attached Listing

FACILITY LOCATIONS(sites)

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

<table>
<thead>
<tr>
<th>A. Animals Covered By The Animal Welfare Regulations</th>
<th>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.</th>
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<th>F. TOTAL NO. OF ANIMALS (Cols. C + D + E)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dogs</td>
<td>1783</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Cats</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Guinea Pigs</td>
<td></td>
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</tr>
<tr>
<td>Hamsters</td>
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<td>Rabbits</td>
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<tr>
<td>Non-Human Primates</td>
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<tr>
<td>Sheep</td>
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<tr>
<td>Pigs</td>
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<td>Other Farm Animals</td>
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<tr>
<td>Other Animals</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

ASSURANCE STATEMENTS

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

2) Each principal investigator has considered alternatives to painful procedures.

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional official)

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

DATE SIGNED

11/30/01

APHS FORM 7023
(Replaces VS FORM 18-23 (Oct 88), which is obsolete)

AUG 91

PART 1 - HEADQUARTERS
1. REGISTRATION NO. 35-R-0007  
2. CUSTOMER NO. 613  

**ANNUAL REPORT OF RESEARCH FACILITY**  
*TYPE OR PRINT*  
11-28-2001 RCVD  

**REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY**  
(Attach additional sheets if necessary)  

<table>
<thead>
<tr>
<th>A. Animals Covered By The Animal Welfare Regulations</th>
<th>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</th>
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<th>F. TOTAL NO. OF ANIMALS (Cols. C + D + E)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. Dogs</td>
<td></td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>5. Cats</td>
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<td></td>
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<tr>
<td>6. Guinea Pigs</td>
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<tr>
<td>7. Hamsters</td>
<td>204</td>
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<td>223</td>
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<tr>
<td>8. Rabbits</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>9. Non-Human Primates</td>
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<tr>
<td>10. Sheep</td>
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<tr>
<td>11. Pigs</td>
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<td></td>
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<tr>
<td>12. Other Farm Animals</td>
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<tr>
<td>13. Other Animals</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

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

**CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL**  
(Chief Executive Officer or Legally Responsible Institutional official)  
I certify that the above is true, correct, and complete (17 U.S.C. Section 2143)  

<table>
<thead>
<tr>
<th>DATE SIGNED</th>
<th>11/20/01</th>
</tr>
</thead>
</table>

APHIS FORM 7023 (Replaces VS FORM 18-23 (Oct 88), which is obsolete) (AUG 91)
### ASSURANCE STATEMENTS

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<th>E. Number of animals upon which teaching, research, surgery, or tests were conducted involving experimental 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)</th>
<th>F. TOTAL NO OF ANIMALS (Cols. C + D + E)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dogs</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
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</tr>
<tr>
<td>Rabbits</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Non-Human Primates</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Sheep</td>
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<td>0</td>
<td>0</td>
<td>0</td>
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</tr>
<tr>
<td>Pigs</td>
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</tr>
<tr>
<td>Other Farm Animals</td>
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<td>0</td>
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<tr>
<td>Other Animals</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

### CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

[Signature]

(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: 09/27/01

PART 1 - HEADQUARTERS
The following sites have been reported by the facility.

Registration Number: 35-R-0008
Customer Number: 642
Facility: MARSHFIELD CLINIC
1000 NORTH OAK AVE
MARSHFIELD, WI 54449
(715) 387-5241

MARSHFIELD MEDICAL RESEARCH & EDUCATION FOUNDATION
1000 N. OAK AVENUE
MARSHFIELD, WI 54449
**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 reported that exceptions to these standards and regulations have been specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4. The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

---

**CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL**

(Chief Executive Officer or Legally Responsible Institutional official)

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

DATE SIGNED: 11/13/01

---

**REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY**

<table>
<thead>
<tr>
<th>A. Animals Covered By The Animal Welfare Regulations</th>
<th>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</th>
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<th>F. TOTAL NO. OF ANIMALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dogs</td>
<td>1</td>
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</tr>
<tr>
<td>Guinea Pigs</td>
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</tr>
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<td>Hamsters</td>
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<td>479</td>
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<td>Rabbis</td>
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<td>10</td>
</tr>
<tr>
<td>Non-Human Primates</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
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</tr>
<tr>
<td>Other Animals</td>
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<td>0</td>
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</tr>
</tbody>
</table>

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**REPORT OF FACILITY LOCATIONS (sites)**

See Attached Listing
The following sites have been reported by the facility.

<table>
<thead>
<tr>
<th>Registration Number:</th>
<th>35-R-0009</th>
</tr>
</thead>
<tbody>
<tr>
<td>Customer Number:</td>
<td>629</td>
</tr>
</tbody>
</table>
| Facility:            | SINAI SAMARITAN MEDICAL CENTER  
                                      945 NORTH 12TH STREET  
                                      P.O. BOX 342  W241  
                                      MILWAUKEE, WI  53201  
                                      (414) 219-7744 |

SINAI SAMARITAN MEDICAL CENTER  
836 NORTH 12TH STREET  
MILWAUKEE, WI  53233
ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

1. REPORTING FACILITY

Lab Farm 1, 115 Cemetery Rd., River Falls, WI

Lab Farm 2, 229 S. Glover Rd., River Falls, WI

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY

A. Animals Covered

1. Dogs
2. Cats
3. Guinea Pigs
4. Rabbits
5. Cats
6. Non-Human Primates
7. Sheep
8. Rabbits
9. Guinea Pigs
10. Other Farm Animals
    - Cattle
    - Poultry
11. Other Animals

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.

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F. TOTAL NO. OF ANIMALS

ASSURANCE STATEMENTS

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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

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

SIGNATURE

DATE SIGNED

AUG 91
I

APHIS P I

ASSURANCE STATEMENTS

13. Rabbits

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF FACILITY LOCATIONS

See Attached Listing

Schroeder Health Sciences Complex

Wehr Life Sciences Building

A. Animals Covered

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.

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F. TOTAL NO. OF ANIMALS

4. Dogs

5. Cats

6. Guinea Pigs

7. Hamsters

8. Rabbits 2 50 52

9. Non-Human Primates

10. Sheep

11. Pigs

12. Other Farm Animals

13. Other Animals Spiny Mice 35

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)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (Oct 88), which is obsolete)
### ASSURANCE STATEMENTS

1. Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, pain relief, 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 adheres to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

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### REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY

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<thead>
<tr>
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<th>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.</th>
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<td>13. Other Animals</td>
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</tbody>
</table>

### 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: [Signature]

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL: [Name]

DATE SIGNED: [Date]

APHIS FORM 7023 (Replaces FS FORM 18-23 (Oct 88), which is obsolete)

PART 1 - HEADQUARTERS

(AUG 91)
The following sites have been reported by the facility.

<table>
<thead>
<tr>
<th>Registration Number:</th>
<th>35-R-0013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Customer Number:</td>
<td>607</td>
</tr>
<tr>
<td>Facility:</td>
<td>University of Wisconsin-Stevens Point</td>
</tr>
</tbody>
</table>

Animal Care Facility
College of Natural Resources
Stevens Point, WI 54481
3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

### FACILITY LOCATIONS (sites)

See Attached Listing

---

### REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY

#### A. Animals Covered By The Animal Welfare Regulations

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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)
The following sites have been reported by the facility.

<table>
<thead>
<tr>
<th>Registration Number:</th>
<th>35-R-0014</th>
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<tbody>
<tr>
<td>Customer Number:</td>
<td>608</td>
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<tr>
<td>Facility:</td>
<td>UNIVERSITY OF WISCONSIN-WHITEWATER RESEARCH AND SPONSORED PROGRAM 800 W. MAIN STREET WHITEWATER, WI 53190 (414) 472-5212</td>
</tr>
</tbody>
</table>

UNIVERSITY OF WISCONSIN-WHITEWATER
800 W. MAIN STREET
WHITEWATER, WI 53190
### ANNUAL REPORT OF RESEARCH FACILITY

#### (TYPE OR PRINT)

<table>
<thead>
<tr>
<th>A. Animals Covered By The Animal Welfare Regulations</th>
<th>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</th>
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<td>9. Non-Human Primates</td>
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<td>10. Sheep</td>
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<td>11. Pigs</td>
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<td>12. Other Farm Animals</td>
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<tr>
<td>13. Other Animals</td>
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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: 11/09/2001

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**APHIS FORM 7023**

(Replaces VS FORM 18-23 (Oct #8), which is obsolete)

**PART 1 - HEADQUARTERS**

(AUG 91)
# ANNUAL REPORT OF RESEARCH FACILITY

12-05-2001 RCVD

## 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.)

<table>
<thead>
<tr>
<th>FACILITY LOCATIONS (sites)</th>
</tr>
</thead>
<tbody>
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<td>Same</td>
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## 2. HEADQUARTERS RESEARCH FACILITY

(Name and Address, as registered with USDA, include Zip Code)

<table>
<thead>
<tr>
<th>MADISON AREA TECH COLLEGE DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>3550 ANDERSON STREET</td>
</tr>
<tr>
<td>MADISON, WI 53704</td>
</tr>
<tr>
<td>(608) 246-6100</td>
</tr>
</tbody>
</table>

## 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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<tr>
<th>A.</th>
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## 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)

<table>
<thead>
<tr>
<th>SIGNATURE OF C/O OR INSTITUTIONAL OFFICIAL</th>
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<tr>
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APHIS FORM 1023 (Replaces VS FORM 18-23 (Oct 88), which is obsolete)

(AUG 91)
**ANNUAL REPORT OF RESEARCH FACILITY**  
*(TYPE OR PRINT)*

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

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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**

10/09/2001

---

**APHIS FORM 7023** *(Replaces VS FORM 18-23 (Oct 88), which is obsolete)*

**PART 1 - HEADQUARTERS** *(AUG 91)*
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 CEO OR INSTITUTIONAL OFFICIAL

DATE SIGNED

2001

APHIS FORM 7023 (Replaces VS FORM 18-23 (Oct 88), which is obsolete)

 PART 1 - HEADQUARTERS

(AUG 91)
# FACILITY SITES LISTING

**Licensee/Registrant Name:** Gundersen Lutheran Medical Center  
**License/Registration Number:** 35 - R - 022  

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

<table>
<thead>
<tr>
<th>Site No.</th>
<th>Name/Department</th>
<th>Address</th>
<th>Building</th>
<th>Floor/Room</th>
<th>Contact Person</th>
<th>Phone No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Gundersen Lutheran Medical Center</td>
<td>1910 South Avenue</td>
<td>Lutheran Hospital</td>
<td>First Floor, Surgical Training Area</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>LaCrosse Veterinary Clinic</td>
<td>2128 Highway 16</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Microbiology Research Laboratory</td>
<td>Gundersen Lutheran Medical Center</td>
<td>Denton Street</td>
<td>5th Floor</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### ASSURANCE STATEMENTS

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

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

3. This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4. The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

---

### REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY

#### Report of Animals

<table>
<thead>
<tr>
<th>A. Animals Covered</th>
<th>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.</th>
<th>C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.</th>
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<th>F. TOTAL NO. OF ANIMALS (Cols. C + D + E)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. Dogs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Cats</td>
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<td></td>
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</tr>
<tr>
<td>6. Guinea Pigs</td>
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<tr>
<td>7. Hamsters</td>
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<tr>
<td>8. Rabbits</td>
<td>20</td>
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<tr>
<td>9. Non-Human Primates</td>
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<tr>
<td>10. Sheep</td>
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<tr>
<td>11. Pigs</td>
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</tr>
<tr>
<td>12. Other Farm Animals</td>
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<tr>
<td>13. Other Animals - Gerbil</td>
<td>0</td>
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<td>6</td>
</tr>
</tbody>
</table>

---

### 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

DATE SIGNED: 10-25-01

APHIS (AU)

PART 1 - HEADQUARTERS
## ASSURANCE STATEMENTS

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## REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY

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<thead>
<tr>
<th>Animals Covered</th>
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<th>F. TOTAL NO. OF ANIMALS (Cols. C + D + E)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dogs</td>
<td>497</td>
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<td>Cats</td>
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<td>458</td>
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<tr>
<td>Guinea Pigs</td>
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<td>497</td>
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</tr>
<tr>
<td>Hamsters</td>
<td>458</td>
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<td>458</td>
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<tr>
<td>Non-Human Primates</td>
<td>458</td>
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<tr>
<td>Sheep</td>
<td>458</td>
<td>458</td>
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<td></td>
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<tr>
<td>Pigs</td>
<td>458</td>
<td>458</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other Farm Animals</td>
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<td>458</td>
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<tr>
<td>Other Animals</td>
<td>458</td>
<td>458</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

## 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 2145)

APHIS FORM 7023 (Replaces VS FORM 18-23 (Oct 88), which is obsolete)

AUG 91

PART 1 - HEADQUARTERS

DATE SIGNED

10/2/01
### ANNUAL REPORT OF RESEARCH FACILITY

#### Type or Print

11-16-2001 RCVD

#### REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY

<table>
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<tr>
<th>A. Animals Covered By The Animal Welfare Regulations</th>
<th>B. Number of animals upon which teaching, 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)</th>
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<th>F. TOTAL NO OF ANIMALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. Dogs</td>
<td>0</td>
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<td></td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>5. Cats</td>
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<tr>
<td>6. Guinea Pigs</td>
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<tr>
<td>7. Hamsters</td>
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<td>8. Rabbits</td>
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<td>9. Non-Human Primates</td>
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<td>10. Sheep</td>
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<tr>
<td>11. Pigs</td>
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<tr>
<td>12. Other Farm Animals</td>
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<tr>
<td>13. Other Animals</td>
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#### ASSURANCE STATEMENTS

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---

**CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL**

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

Signature of CEO or Institutional Official: [Signature]

Name & Title of CEO or Institutional Official: [Name]

Date Signed: [Date]

---

**APHIS FORM 7023A**

(Replaces VS FORM 18-23 (Oct 88), which is obsolete)

(AUG 91)

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**PART 1 - HEADQUARTERS**
The following sites have been reported by the facility.

<table>
<thead>
<tr>
<th>Registration Number:</th>
<th>35-R-0105</th>
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</thead>
<tbody>
<tr>
<td>Customer Number:</td>
<td>635</td>
</tr>
<tr>
<td>Facility:</td>
<td>W240</td>
</tr>
<tr>
<td></td>
<td>N3425 HIGHWAY J</td>
</tr>
<tr>
<td></td>
<td>PEWAUKEE, WI 53072</td>
</tr>
<tr>
<td></td>
<td>(262) 691-2298</td>
</tr>
</tbody>
</table>

PEWAUKEE VETERINARY SERVICE
W240
N3425 PEWAUKEE ROAD
PEWAUKEE, WI 53072
### ANNUAL REPORT OF RESEARCH FACILITY

**TYPE OR PRINT**

#### FACILITY LOCATIONS(sites)

**BELL LABORATORIES, INC.**

**MADISON, WI 53704**

---

### REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>4. Dogs</td>
<td></td>
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<tr>
<td>5. Cats</td>
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<tr>
<td>6. Guinea Pigs</td>
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<tr>
<td>7. Hamsters</td>
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<tr>
<td>8. Rabbits</td>
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<tr>
<td>9. Non-Human Primates</td>
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<tr>
<td>10. Sheep</td>
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<tr>
<td>11. Pigs</td>
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<td></td>
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<tr>
<td>12. Other Farm Animals</td>
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<td>13. Other Animals</td>
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<td></td>
</tr>
<tr>
<td>Deer mice</td>
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</tr>
<tr>
<td>Eastern mole</td>
<td>1</td>
<td>1</td>
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<td>1</td>
</tr>
</tbody>
</table>

#### ASSURANCE STATEMENTS

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**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**

11/08/2001

---

**APHIS FORM 7023**

(Replaces VS FORM 18-23 (Oct 88), which is obsolete)

**PART 1 - HEADQUARTERS**

(AUG 91)
### ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

**1. REGISTRATION NO.**
35-R-0108

**2. HEADQUARTERS RESEARCH FACILITY**
(Panagen, Inc. / W8559 HIGHWAY 39 / BLANCHARDVILLE, WI 53516 / (999) 999-9999)

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

**FACILITY LOCATIONS/sites)**

See Attached Listing

as in 2 only.

### REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY

(Attach additional sheets if necessary or use APHIS FORM 7023A)

<table>
<thead>
<tr>
<th>A. Animals Covered By The Animal Welfare Regulations</th>
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<tbody>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
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<td></td>
<td></td>
</tr>
<tr>
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<td></td>
<td></td>
<td></td>
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<td></td>
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<tr>
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<td>8. Rabbits</td>
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<td></td>
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</tr>
<tr>
<td>11. Pigs</td>
<td></td>
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<tr>
<td>12. Other Farm Animals</td>
<td>GOATS 20</td>
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<td></td>
<td></td>
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### CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY 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

APRIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (Oct 88), which is obsolete)

PART 1 - HEADQUARTERS
**ANNUAL REPORT OF RESEARCH FACILITY**  
(TYPE OR PRINT)  
29-2001 RCVD

### REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY

<table>
<thead>
<tr>
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<td>Dogs</td>
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<td></td>
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<tr>
<td>5.</td>
<td>Cats</td>
<td>49</td>
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<tr>
<td>6.</td>
<td>Guinea Pigs</td>
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<tr>
<td>7.</td>
<td>Hamsters</td>
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</tr>
<tr>
<td>8.</td>
<td>Rabbits</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>Non-Human Primates</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>Sheep</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td>Pigs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td>Other Farm Animals</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13.</td>
<td>Other Animals</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 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 reported exceptions to the standards and regulations it has adhered to and followed this annual report with the principal investigator and the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4. The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

### CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional official)  
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)  
DATE SIGNED: 10/9/01

APHIS FORM 7023 (Replaces VS FORM 18-23 (Oct 88), which is obsolete)

(AUG 91)
### ANNUAL REPORT OF RESEARCH FACILITY

**REPORTING FACILITY**

- **Department of Biology & Microbiology:** Halsey Science Center & River Lab
- **Department of Psychology:** Clow Building

### REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY

**A.** Animals Covered By The Animal Welfare Regulations

| 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 pain, distress, or use of pain-relieving drugs | D. Number of animals upon which 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, 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 | F. TOTAL NO. OF ANIMALS
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fish</td>
<td>0</td>
<td>24</td>
<td>0</td>
<td>0</td>
<td>24</td>
</tr>
<tr>
<td>Rats</td>
<td>34</td>
<td>53</td>
<td>44</td>
<td>0</td>
<td>131</td>
</tr>
</tbody>
</table>

### ASSURANCE STATEMENTS

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

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

3. This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4. The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

### CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

**Signature:**

**Name & Title:**

**Date Signed:**

AphIS FORM 7023 (Replaces US Form 18-V3)
### APHIS Form 7023 Site List

The following sites have been reported by the facility.

<table>
<thead>
<tr>
<th>Registration Number:</th>
<th>35-R-0111</th>
</tr>
</thead>
<tbody>
<tr>
<td>Customer Number:</td>
<td>795</td>
</tr>
<tr>
<td>Facility:</td>
<td>UNIVERSITY OF WISCONSIN-OSHKOSH</td>
</tr>
<tr>
<td></td>
<td>800 ALGOMA BLVD</td>
</tr>
<tr>
<td></td>
<td>OSHKOSH, WI 54901</td>
</tr>
<tr>
<td></td>
<td>(920) 424-0200</td>
</tr>
</tbody>
</table>

UNIVERSITY OF WISCONSIN-OSHKOSH
800 ALGOMA BOULEVARD
OSHKOSH, WI 54901

Department of Biology & Microbiology
Halsey Science Center
Basement, Rooms 19A-19J

River Laboratory Building
First Floor, Room 108

Department of Psychology
Clow Building
Basement, Rooms 18 and 46
## ANNUAL REPORT OF RESEARCH FACILITY

### TYPE OR PRINT

#### 3. REPORTING FACILITY

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

#### FACILITY LOCATIONS(sites)

#### REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY

(Attach additional sheets if necessary or use APHIS FORM 7023A)

<table>
<thead>
<tr>
<th>A. Animals Covered By The Animal Welfare Regulations</th>
<th>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</th>
<th>C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs</th>
<th>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</th>
<th>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)</th>
<th>F. TOTAL NO. OF ANIMALS (Cols. C + D + E)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. Dogs</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>5. Cats</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>6. Guinea Pigs</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>7. Hamsters</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>8. Rabbits</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>9. Non-Human Primates</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>10. Sheep</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>11. Pigs</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>12. Other Farm Animals</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Beef cattle</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>13. Other Animals</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Dairy cows</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Beef bulls</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

#### ASSURANCE STATEMENTS

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

2) Each principal investigator has considered alternatives to painful procedures.

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

#### CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional official)

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

<table>
<thead>
<tr>
<th>SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL</th>
<th>NAME &amp; TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)</th>
<th>DATE SIGNED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>9/26/01</td>
</tr>
</tbody>
</table>

APHIS - Onaite 1990 (Revised 10-1-90) (Form approved by OMB)
The following sites have been reported by the facility.

<table>
<thead>
<tr>
<th>Registration Number:</th>
<th>35-R-0112</th>
</tr>
</thead>
<tbody>
<tr>
<td>Customer Number:</td>
<td>1754</td>
</tr>
<tr>
<td>Facility:</td>
<td>UNIVERSITY OF WISCONSIN-PLATTEVILLE</td>
</tr>
<tr>
<td></td>
<td>1 UNIVERSITY PLAZA</td>
</tr>
<tr>
<td></td>
<td>PLATTEVILLE, WI 53818</td>
</tr>
<tr>
<td></td>
<td>(608) 342-1261</td>
</tr>
</tbody>
</table>

PIONEER PRAIRIE FARMS
29124 COLLEGE FARM ROAD
BOEBEL HALL, UWP
PLATTEVILLE, WI 53818
UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

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

6810 Cross Country Road
Verona, WI 53593

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7026A)

A. Animals Covered By The Animal Welfare Regulations

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. Dogs</td>
<td></td>
</tr>
<tr>
<td>5. Cats</td>
<td></td>
</tr>
<tr>
<td>6. Guinea Pigs</td>
<td></td>
</tr>
<tr>
<td>7. Hamsters</td>
<td></td>
</tr>
<tr>
<td>8. Rabbits</td>
<td></td>
</tr>
<tr>
<td>9. Non-human Primates</td>
<td></td>
</tr>
<tr>
<td>10. Sheep</td>
<td></td>
</tr>
<tr>
<td>11. Pigs</td>
<td></td>
</tr>
<tr>
<td>12. Other Farm Animals</td>
<td></td>
</tr>
<tr>
<td>13 Other Animals</td>
<td></td>
</tr>
</tbody>
</table>

B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purpose

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>12. Other Farm Animals</td>
<td></td>
</tr>
</tbody>
</table>

C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>12. Other Farm Animals</td>
<td></td>
</tr>
</tbody>
</table>

D. Number of animals upon which teaching, research, experiments, or tests were conducted involving pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>12. Other Farm Animals</td>
<td></td>
</tr>
</tbody>
</table>

E. Number of animals upon which teaching, research, experiments, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedure, 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

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>12. Other Farm Animals</td>
<td></td>
</tr>
</tbody>
</table>

F. TOTAL NO OF ANIMALS

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL</td>
<td>0</td>
</tr>
</tbody>
</table>

ASSURANCE STATEMENTS

1) Professional, 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

(Replaces USDA REGISTRATION NO.

APHIS FORM 7023 (AUG 81) which is obsolete

DATE SIGNED 7/16/01

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).
**REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY**

<table>
<thead>
<tr>
<th>A. Animals Covered By The Animal Welfare Regulations</th>
<th>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</th>
<th>C. Number of animals upon which teaching, research, surgery, or experiments were conducted involving no pain, distress, or use of pain-relieving drugs</th>
<th>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</th>
<th>E. Number of animals upon which teaching, 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)</th>
<th>F. TOTAL NO OF ANIMALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. Dogs</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>5. Cats</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>6. Guinea Pigs</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>7. Hamsters</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>8. Rabbits</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>9. Non-Human Primates</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>10. Sheep</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>11. Pigs</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>12. Other Farm Animals</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>13. Other Animals</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**ASSURANCE STATEMENTS**

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

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

3. This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report, in addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4. The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

**CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL**

(Chief Executive Officer or Legally Responsible Institutional official)

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

**SIGNATURE OF HEADQUARTERS RESEARCH FACILITY OFFICIAL**

APHIS FORM (AUG 91)

**DATE SIGNED**

1/20/01
### Assurances 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 Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4. The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

### Certification by Headquarters Research Facility Official

(Chief Executive Officer or Legally Responsible Institutional Official)

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

\[
\text{DATE SIGNED: } 10/01/01
\]
### Annual Report of Research Facility

**Type or Print**

#### FACILITY LOCATIONS (specify)

See Attached Listing

#### Report of Animals Used by or Under Control of Research Facility

<table>
<thead>
<tr>
<th>Animate Covered</th>
<th>By the Animal Welfare Regulations</th>
<th>Number of Animals as of 1/1/75</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dogs</td>
<td>4</td>
<td>754</td>
</tr>
<tr>
<td>Cats</td>
<td>5</td>
<td>79</td>
</tr>
<tr>
<td>Guinea Pigs</td>
<td>6</td>
<td>877</td>
</tr>
<tr>
<td>Hamsters</td>
<td>7</td>
<td>185</td>
</tr>
<tr>
<td>Rabbits</td>
<td>8</td>
<td>51, 1,120, 85</td>
</tr>
<tr>
<td>Non-Human Primates</td>
<td>9</td>
<td>2</td>
</tr>
<tr>
<td>Sheep</td>
<td>10</td>
<td>0</td>
</tr>
<tr>
<td>Pigs</td>
<td>11</td>
<td>1, 26</td>
</tr>
<tr>
<td>Other Farm Animals</td>
<td>12</td>
<td>22</td>
</tr>
<tr>
<td>Goats</td>
<td>13</td>
<td>22</td>
</tr>
<tr>
<td>Chinchillas</td>
<td>13</td>
<td>102</td>
</tr>
</tbody>
</table>

#### 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 the 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

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

Signature of C.E.O. or Institutional Official: [Signature]

Date Signed: 1/7/01

APHIS Form 7023 (Replaces VS Form 18-23 (Oct 88), which is obsolete

(AUG 91)
The following sites have been reported by the facility.

<table>
<thead>
<tr>
<th>Registration Number:</th>
<th>35-R-0029</th>
</tr>
</thead>
<tbody>
<tr>
<td>Customer Number:</td>
<td>634</td>
</tr>
<tr>
<td>Facility:</td>
<td>MEDICAL COLLEGE OF WISCONSIN</td>
</tr>
<tr>
<td></td>
<td>8701 WATERTOWN PLANK ROAD</td>
</tr>
<tr>
<td></td>
<td>P.O. BOX 26509</td>
</tr>
<tr>
<td></td>
<td>MILWAUKEE, WI 53226</td>
</tr>
<tr>
<td></td>
<td>(414) 257-8250</td>
</tr>
</tbody>
</table>

OSCAR F. PETERSON ANI RES CTR.
8701 WATERTOWN PLANK ROAD
MILWAUKEE, WI 53226
ANIMAL STUDIES

I. Justify the appropriateness of the species and state significance.

Approximately 400,000 cases of herpetic keratitis occur each year in the US. Some of these cases are due to initial infections of the cornea which can be treated with antiviral agents alone. Many of the cases, however, are due to recurrent disease which involves severe inflammation and an undesirable immune response, leading to corneal opacification ("stromal disease"). To reduce the risk of visual impairment, therapy including both an antiviral agent and corticosteroid is the standard of care. This form of therapy is successful only about 50% of the time and extended use of steroids causes many complications. The goal of these studies is to determine whether nitric oxide synthase 2 (an inducible enzyme involved in inflammation) plays a role in HSV-induced corneal edema. Our preliminary data indicate that it does. One of our aims is to determine whether NOS2 inhibitors are effective replacements for steroids.

Rabbits are the model of choice because herpetic keratitis in the rabbit mirrors the disease as it occurs in humans, including reactivation. Furthermore, rabbits have large corneas which are amenable to the evaluation of disease severity. This model has provided the preliminary data required to gain FDA approval of four antiviral agents for the treatment of acute disease. Models in mice, cats and guinea pigs have value for certain studies with other goals, but for the type of studies required to achieve our specific aims, rabbits are the best model.

IX. Herpes simplex virus (HSV) is a neutrophic virus which establishes latent infections in the neurons that serve the infected dermatome. HSV DNA also persists at the site of the initial infection. Primary infection will be established in rabbits by injection of $10^5$ pfu of virus at the midline of the alveolar mucosa of the mandible. These infections are much like primary infection in humans. The disease is a mild gingivitis, the rabbit seroconverts and a latent
infection is established in the trigeminal ganglia. Three weeks after primary infection, $10^3$ pfu of virus is injected into the corneal stroma to produce stromal keratitis. At the time of both infections, rabbits will be anesthetized by IM injection of a mixture of 25 mg/kg ketamine and 5 mg/kg xalazine. One or two drops of 0.5% proparicaine will be placed at the site of infection. Some animals will be treated with antiviral agents combined with test compounds possessing putative anti-inflammatory activity. Other animals will receive no medication so that they can be killed at various times after infection and their tissues taken to the laboratory for analysis. The administration of any neuroactive drug other than ones used as part of a specifically-designed protocol could adversely affect the outcome of our studies.

X. Rabbits will be infected with HSV-1 as described in IX above and in the attached methods section of the grant. The primary infection of rabbits rarely causes any problems in our hands. On rare occasion the primary disease can cause ulceration of the gingiva or death due to encephalitis just as it may in humans. The animals will be observed daily for signs of problems. Any animal experiencing severe oral infection or encephalitis will be killed immediately. We do not have exact numbers on these complications, but our guess is that less than 1% of animals experience such difficulties.

The secondary or "recurrent-like" infection of the corneal causes the development of herpetic keratitis and stromal disease. It is our experience that none of these animals will die of encephalitis because they all possess HSV-1 neutralizing antibodies from their primary infections. All of the animals, if not receiving antiviral / steroid therapy, will develop stromal disease which causes their corneas to become edematous and opaque, thus impairing vision. It is our experience that only about 2% of eyes become blind. Rarely (<1%) does bilateral blindness develop. If bilateral blindness develops, the rabbit will be killed immediately. If unilateral
blindness develops, the rabbit remains able to function and eat, and thus is able to complete the experiment.
# Annual Report of Research Facility

**Type or Print**

### Reporting Facility
(List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or here for these purposes. Attach additional sheets if necessary.)

### Facility Locations (sites)

### Report of Animals Used by or Under Control of Research Facility

<table>
<thead>
<tr>
<th>Animals Covered By The Animal Welfare Regulations</th>
<th>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</th>
<th>C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs</th>
<th>D. Number of animals upon which 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</th>
<th>E. Number of animals upon which 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</th>
<th>F. TOTAL NO. OF ANIMALS (Cols. C + D + E)</th>
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<td>6. Guinea Pigs</td>
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<td>3</td>
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### Assurance Statements

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

2) Each principal investigator has considered alternatives to painful procedures.

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

### Certification by Headquarters Research Facility Official

(Chief Executive Officer or Legally Responsible Institutional official)

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

**Signature**

**Date Signed**

11/6/01

**APHS Form**

(AUG 91)
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</table>
Attachment to USDA Annual Report 2001
Explanation regarding animals listed in category E

Rabbits: (b)(4)

Guinea Pigs: (b)(4)

All of the above listed animals in category E were used on studies going to regulatory agencies regarding product safety or toxicity testing. These tests are required of our clients by state, federal, or other regulatory agencies. During the conduct of these studies it was imperative that the animals receive no drugs that might interfere with the testing in order to assure study validity. These activities and procedures of conduct for the studies were reviewed and approved by the Institutional Animal Care and Use Committee.

The regulations that may require these procedures included 21 CFR 58 (FDA), 40 CFR 160 (EPA-FIFRA), 40 CFR 792 (EPA-TSCA), ENV/MC/CHEM(98) 17. Revised 1997, Issued 1998 (OECD), 59 NohSan No. 3850 (Japanese MAFF), and Ordinance 21 (Japanese MOHW).
SUMMARY OF EXCEPTIONS

There were no exceptions to the standards in 2001.
# ANNUAL REPORT OF RESEARCH FACILITY

**TYPE OR PRINT**

**12-03-2001 RCVD**

## FACILITY LOCATIONS (sites)

See Attached Listing

## REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY

### A. Animals Covered By The Animal Welfare Regulations

<table>
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<tr>
<th>Animals Covered By The Animal Welfare Regulations</th>
<th>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</th>
<th>C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs</th>
<th>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.</th>
<th>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)</th>
<th>F. TOTAL NO. OF ANIMALS (Cols. C + D + E)</th>
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### 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

**SIGNATURE OF CEO OR INSTITUTIONAL OFFICIAL**

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

**DATE SIGNED**

11/27/01

**APHIS FORM 7023**

(Replaces VS FORM 18-23 (Oct 88), which is obsolete)

**PART 1 - HEADQUARTERS**

(AUG 91)
**CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY**

*(TYPE OR PRINT)*

**REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY**

(Attach additional sheets if necessary or use this form.)

<table>
<thead>
<tr>
<th>A. Animals Covered By The Animal Welfare Regulations</th>
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<th>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 the use of appropriate anesthetic, analgesic, or tranquilizing drugs were used</th>
<th>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 were used</th>
<th>F. TOTAL NO. OF ANIMALS (Cols. C + D + E)</th>
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<tbody>
<tr>
<td>Mice (Wild Caught)</td>
<td>1,650</td>
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**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)

**SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL**

**DATE SIGNED**

11/27/07

**PART 1 - HEADQUARTERS**

APHIS FORM 7023A (AUG 91)

(Replaces VS FORM 18-23 (Oct 88), which is obsolete)
EXPLANATION FOR COLUMN E ANIMALS

Dogs:

- 30 dogs were listed under this category as they were controls for vaccine studies and where treatment would have adversely affected the results. The IACUC protocol approved the scientific rational for this procedure and contained specified endpoints at which there would be intervention in the form of euthanasia.
- One dog was listed under this category as there was unforeseen complications resulting from an IACUC approved procedure. This animal was part of a research study evaluating cancer treatment drugs. The animal experienced an unexpected and adverse reaction to the treatment drug. When this was recognized the animal was immediately euthanatized.
SUMMARY OF IACUC APPROVED EXCEPTIONS TO THE STANDARDS AND REGULATIONS OF THE USDA ANIMAL WELFARE ACT

University of Wisconsin - Madison  
Registration No.: 35-R-0001  
Reporting Period: 10/01/00 - 09/30/01

More Than One Protocol Involving a Major Operative Procedure:
While there are some protocols containing multiple surgical procedures, there are no approved protocols for use of animals across protocols and involving major operative procedures.

Food and/or Water Deprivation:
- IACUC approved protocol for up to 60 Rhesus and 70 Marmosets - water deprivation for up to 14 hours/day for five (5) days for Conditioned Taste Aversion Training.
- IACUC approved protocol for up to 26 Rhesus - 30% calorie restriction of diet for aging study.
- IACUC approved protocol for up to 160 cats - food deprivation for up to four (4) hours/day, six (6) days/week as reinforcement for training.
- IACUC approved protocol for up to 385 Marmosets – 15-18 hour fast or 42 hour fast for glucose challenge.

Not Cleaning and/or Sanitizing at Required Frequencies:
- IACUC approved protocol for up to 432 13-lined ground squirrels - exempted from cage cleaning during hibernation period.

Restraint:
- IACUC approved protocol for up to 247 Rhesus - chair restraint of animals for up to 104 hours for the collection of hypothalamic perfusates.
- IACUC approved protocol for up to 232 sheep - tethering of post-surgical animals in portable enclosures for up to 72 hours to prevent damage to surgical instrumentation.
- IACUC approved protocol for up to 32 Rhesus - chair restraint of animals involved in sleep study data collection.
- IACUC approved protocol for up to 16 Marmosets - chair restraint of animals involved in regulation of emotion study data collection.
SUMMARY OF IACUC APPROVED EXCEPTIONS TO THE
STANDARDS AND REGULATIONS OF THE USDA ANIMAL WELFARE
ACT

Page 2

• 12 Rhesus - chair restraint of animals for up to 96 hours for the collection of amygdala
perfusates. IACUC approved.

• IACUC approved protocol for up to 36 Rhesus – chair restraint of animals for 12 hours to
conduct sleep measurement.

• IACUC approved protocol for up to 134 Marmosets - chair restraint of animals for up to 72
hours for hypothalamus perfusion.
The attached list is of sites that are currently active for the above noted registration number.
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Madison, WI 53706  
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| Site: 019 | College of Letters & Sciences  
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Psychology Department  
Harlow Primate Lab  
Madison, WI 53706  
County: Dane |
| Site: 020 | Graduate School  
Status: Active  
Primate Center - Annex  
Madison, WI 53706  
County: Dane |
| Site: 021 | College of Letters & Sciences  
Status: Active  
Psychology Department  
Brogden Psychology Facility  
Madison, WI 53706  
County: Dane |
| Site: 022 | Health Sciences  
Status: Active  
Medical School  
Medical Sciences Center  
Madison, WI 53706  
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| Site: 023 | Health Sciences  
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Medical School  
Clinical Sciences Center  
Madison, WI 53706  
County: Dane |
| Site: 024 | Health Sciences  
Status: Active  
Medical School  
Walnut Street Facility  
Madison, WI 53706  
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Meriter Hospital  
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<td>Bookout Farm - AHABS</td>
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<td>Charmany Farm</td>
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<td>Immunogenetics Swine Center</td>
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<td>Arlington Farms</td>
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<tbody>
<tr>
<td>Status: Active</td>
<td>SPF Swine Facility</td>
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<th>Site: 057</th>
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<tr>
<td>Status: Active</td>
<td>2500 Overlook Terrace</td>
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# ANNUAL REPORT OF RESEARCH FACILITY

## TYPE OR PRINT

### FACILITY LOCATIONS

- **Building 203**
- **Building 215**
- **Building 227**
- **Building 401**

### REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY

| 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 pain, distress, or use of pain-relieving drugs | E. | Number of animals upon which teaching, research, experiments, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate analgesic, anesthetic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report) | F. | TOTAL NO. OF ANIMALS (Cols. C + D = E) |
|----|-------------------------------------------------|----|------------------------------------------------|----|----------------------------------------|----|----------------------------------------|----|------------------------------------------------|
| 4. Dogs | | | | | | | | | |
| 5. Cats | | | | | | | | | |
| 6. Guinea Pigs | 0 | 164 | 10 | 2 | 176 | | | | |
| 7. Hamsters | | | | | | | | | |
| 8. Rabbits | | | | | | | | | |
| 9. Non-Human Primates | | | | | | | | | |
| 10. Sheep | | | | | | | | | |
| 11. Pigs | | | | | | | | | |
| 12. Other Farm Animals | | | | | | | | | |
| 13. Other Animals | | | | | | | | | |
| Mink | 888 | 382 | 201 | 167 | 750 | | | | |
| Ferrets | 0 | 34 | 50 | 6 | 90 | | | | |
| Fox | 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 the research facility.
2. Each principal investigator has considered alternatives to painful procedures.
3. This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report, in addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
4. The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

### CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional official)

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

**SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL**

**NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL**

**DATE SIGNED**

**QUARTERS**

**APHIS FORM 7023**

(AUG 91)

(Replaces VS FORM 18-23 [Oct 88], which is obsolete)
ADDENDUM #1

The animals listed in Column E were utilized for safety or potency testing of this firm’s products as specified in the following 9 CFR sections:

<table>
<thead>
<tr>
<th>Regulatory Justification</th>
<th>Description of Study</th>
<th>Species</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 CFR</td>
<td>113.109(c) Clostridium botulinum</td>
<td>Mink</td>
<td>24</td>
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<tr>
<td></td>
<td>113.204(b) Mink enteritis virus</td>
<td>Mink</td>
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<tr>
<td></td>
<td>113.302(c) Mink distemper virus</td>
<td>Mink</td>
<td>62</td>
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<tr>
<td></td>
<td>113.38 Guinea pig safety test</td>
<td>Guinea pigs</td>
<td>2</td>
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In addition, animal vaccination/challenge testing was performed for the following studies:

1. (b)(4)

2. Stability testing of combination product to satisfy EU Pharmacopoeia: Mink, 11

3. Testing of new Master Seed Viruses as specified in 9 CFR or our Outline for Production and approved by APHIS-CVB: Ferrets, 6

Agencies that regulate the testing of biologics generally insist that these tests run their course without interference. In some instances, the symptoms may become protracted. In these cases, we do administer a euthanasia solution at an appropriate state to reduce pain and distress.