ANNUAL REPORT OF RESEARCH FACILITY

**Facility Information**

- **Certificate Number:** 82-R-0001
- **Customer Number:** 1078
- **Facility:** Idaho State University
- **Address:** Box 8130, Pocatello, ID 83209
- **Telephone:** (208)236-3895

**Facility Locations**

- **Sites**

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

<table>
<thead>
<tr>
<th>Animals Covered</th>
<th>By The Animal Welfare Regulations</th>
<th>Number of Animals Being</th>
<th>Number of Animals Upon Which</th>
<th>Number of Animals Upon Which Teaching,</th>
<th>Total Number of Animals</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Conditioned or held</td>
<td>Experiments, Research, or</td>
<td>Experiments, Research, Surgery, or Tests</td>
<td>(Columns C+D+E)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>for use in teaching,</td>
<td>Teaching, Research, Surgery,</td>
<td>Conducted involving accompanying pain</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>testing, experiments,</td>
<td>or experiments</td>
<td>or distress to the animals</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>or research,</td>
<td>or experiments</td>
<td>and for which the use of appropriate</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>or surgery</td>
<td>or surgery or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dogs</td>
<td>0</td>
<td>0</td>
<td>33</td>
<td>0</td>
<td>33</td>
</tr>
<tr>
<td>Cats</td>
<td>0</td>
<td>0</td>
<td>4</td>
<td>0</td>
<td>4</td>
</tr>
<tr>
<td>Guinea Pigs</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Hamsters</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Rabbits</td>
<td>0</td>
<td>14</td>
<td>0</td>
<td>0</td>
<td>14</td>
</tr>
<tr>
<td>Non-human Primate</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Sheep</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Pigs</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Mink</td>
<td>0</td>
<td>0</td>
<td>122</td>
<td>0</td>
<td>122</td>
</tr>
<tr>
<td>Other Farm Animals</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other Animals</td>
<td>0</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 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.
### UNITED STATES DEPARTMENT OF AGRICULTURE
**ANIMAL AND PLANT HEALTH INSPECTION SERVICE**

**ANNUAL REPORT OF RESEARCH FACILITY**

{**TYPE OR PRINT**}

- **DATE SIGNED:** OCT 27, 2000
- **CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official):**
- **CARE AND USE OF ANIMALS:**
  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 proper care and to oversee the adequacy of other aspects of animal care.

### FACILITY LOCATIONS

**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 y</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 would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests</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)</th>
<th>F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. Dogs</td>
<td>0</td>
<td>4</td>
<td>4</td>
<td>-</td>
<td>8</td>
</tr>
<tr>
<td>5. Cats</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>4</td>
</tr>
<tr>
<td>6. Guinea Pigs</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
</tr>
<tr>
<td>7. Hamsters</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
</tr>
<tr>
<td>8. Rabbits</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>-</td>
<td>2</td>
</tr>
<tr>
<td>9. Non-human Primate</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
</tr>
<tr>
<td>0. Sheep</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
</tr>
<tr>
<td>1. Pigs</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
</tr>
<tr>
<td>2. Other Farm Animals</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>-</td>
<td>2</td>
</tr>
<tr>
<td>3. Other Animals</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>1</td>
</tr>
<tr>
<td>Horses</td>
<td>1</td>
<td>5</td>
<td>1</td>
<td>-</td>
<td>6</td>
</tr>
<tr>
<td>Gerbils</td>
<td>0</td>
<td>3</td>
<td>0</td>
<td>-</td>
<td>3</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 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 proper care and to oversee the adequacy of other aspects of animal care.

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

**DATE SIGNED:** 10/27/00
Annual Report Site Listing:
Customer ID and Site Address:

Cust ID: 1692
315 Falls Avenue/260
2nd Avenue S.
Twin Falls, ID 83301
County: Twin Falls

Telephone
(208)733-9554
This report is required by law (7 USC 2143). Failure to report according to the regulations can result in civil penalties of up to $100,000. To avoid penalties, immediately report all animals used by or under the control of the research facility.

**UNITED STATES DEPARTMENT OF AGRICULTURE**

**ANIMAL AND PLANT HEALTH INSPECTION SERVICE**

**ANNUAL REPORT OF RESEARCH FACILITY**

**TYPE OR PRINT**

1. **CERTIFICATE NUMBER:** 82-R-0009
2. **CUSTOMER NUMBER:** 1827
3. **FACILITY NAME:** Cancer2
4. **ADDRESS:** 1228 Spruce Circle
5. **TELEPHONE:** (208) 882-9558
6. **CITY, STATE, ZIP:** Moscow, ID 83843

### FACILITY LOCATIONS (Sites)

- **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 used in actual research, teaching, testing, surgery, or experimentation, or held for these purposes.**
- **C. Number of animals upon which LANs, experiments, teaching, research, surgery, 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, distress to the animals, and for which appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests.**
- **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.**

### TOTAL NUMBER OF ANIMALS

- **F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)**

### 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 all aspects of animal care.

**CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL**

**DATE SIGNED:** 10-16-99

**APHIS FORM 7023** (Replaces VS FORM 18-23 (OCT 98), which is obsolete)

**AUG 91**
UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

1. CERTIFICATE NUMBER: 82-R-0002
CUSTOMER NUMBER: 1079

Regents Of The Univ. Of Idaho
University Of Idaho
Telephone: (208)454-8657
Moscow, ID 83844

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

   C. 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.

   D. 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 anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report.)

   E. Number of animals upon which teaching, 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 Primate
   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 anesthetics, analgesics, 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.

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

Signature:

Name & Title:

Date Signed:

11/29/00

APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete. AUG 91)
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY

A. Animals Covered By The Animal Welfare Regulations

B. Number of animals being Died, conditioned, or held for use in 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 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.

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.

F. TOTAL NO OF ANIMALS

<table>
<thead>
<tr>
<th>Animals Covered By The Animal Welfare Regulations</th>
<th>Number of Animals</th>
<th>Number of Animals</th>
<th>Number of Animals</th>
<th>Number of Animals</th>
<th>TOTAL NO OF ANIMALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIK</td>
<td>0</td>
<td>33</td>
<td>0</td>
<td>0</td>
<td>@33</td>
</tr>
<tr>
<td>Snow Shrews</td>
<td>0</td>
<td>65</td>
<td>0</td>
<td>0</td>
<td>@65</td>
</tr>
<tr>
<td>Mammalian Voles</td>
<td>0</td>
<td>45</td>
<td>0</td>
<td>0</td>
<td>45</td>
</tr>
<tr>
<td>Redback Voles</td>
<td>0</td>
<td>35</td>
<td>0</td>
<td>0</td>
<td>35</td>
</tr>
<tr>
<td>Longhorn Antelope</td>
<td>0</td>
<td>155</td>
<td>0</td>
<td>0</td>
<td>155</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 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

DATE SIGNED

11/29/00

APHIS FORM 7023A
(AUG 91)

PART 1 - HEADQUARTERS
1. **Registration Number:** 82-R-0002

2. 5 animals were used in this study

3. **Species Used:** Rabbit

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

   The rabbit is used as a model of toxic shock syndrome in humans. After laboratory characterization of Staphylococcal toxins or modified toxins, animals are injected with the substance and observed for clinical signs. This model has allowed characterization of the function of different portions of the toxin and is now being used to test efficacy of various preventive immunization protocols.

5. **Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results.**

   It has been the opinion of this committee in the past that toxicity testing in rabbits should be classified as type E. The rational for this classification is that the rabbits will be exposed to potentially lethal concentrations of toxin and experience stress that is not alleviated by the use of analgesics, anesthetics or tranquilizers. The reason for the lack of interventional therapy is that the model mimics toxic shock syndrome, an illness that results from abnormal cardiovascular function. It is of the general opinion that important symptoms may be overlooked if intervention is attempted.

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

   - **Agency:** None.
   - **CFR:**
Cust ID: 1079
University Of Idaho
Moscow, ID 83844 3010
County: Latah

Telephone
(208)454-8657
# Animal Housing Locations

**USDA Research Certificate 82-R-0002**  
**October 1, 2001**

<table>
<thead>
<tr>
<th>Facility</th>
<th>County</th>
<th>Address</th>
<th>Telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laboratory Animal Research Facility</td>
<td>Latah</td>
<td>Gibb Hall 39, University of Idaho Moscow, ID 83844-3010</td>
<td>208-885-8958</td>
</tr>
<tr>
<td>Holm Center Vivarium</td>
<td>Latah</td>
<td>Holm Research Center, University of Idaho Moscow, ID 83844-2201</td>
<td>208-885-8958</td>
</tr>
<tr>
<td>Wallen Road Field Site</td>
<td>Latah</td>
<td>1790 Wallen Road, Troy, ID</td>
<td>208-885-8958</td>
</tr>
<tr>
<td>Caine Veterinary Teaching Center</td>
<td>Canyon</td>
<td>1020 E. Homedale Road, Caldwell, ID 83605</td>
<td>208-454-8657</td>
</tr>
<tr>
<td>Idaho Wildlife Health Laboratory</td>
<td>Canyon</td>
<td>16569 S. 10th, Caldwell, ID 83607</td>
<td>208-454-7638</td>
</tr>
<tr>
<td>Priest Lake Snowshoe Hare Facility</td>
<td>Bonner</td>
<td>2696 Gleason McAbee Road, Priest River, ID 83856</td>
<td>208-448-2869</td>
</tr>
</tbody>
</table>