## Blackbird & Eye Institute Annex, 30 W. 168th

### New York, New York 10032

#### REPORT OF ANIMALS (USED BY OR UNDER CONTROL OF RESEARCH FACILITY) (A) [Applicable if necessary of use of APPENDIX FORM TOTAL -]

<table>
<thead>
<tr>
<th>Number of animals</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dogs</td>
<td>0</td>
<td>22</td>
<td>0</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>Cats</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
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<td>Guinea Pigs</td>
<td>0</td>
<td>105</td>
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<td>0</td>
</tr>
<tr>
<td>4</td>
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<td>0</td>
<td>0</td>
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</tr>
<tr>
<td>5</td>
<td>Rabbits</td>
<td>79</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>6</td>
<td>Non-human Primates</td>
<td>0</td>
<td>42</td>
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<td>0</td>
<td>0</td>
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</tr>
<tr>
<td>7</td>
<td>Sheep</td>
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<td>8</td>
<td>Pigs</td>
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<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>9</td>
<td>Other Farm Animals</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
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</tr>
<tr>
<td>10</td>
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<td>0</td>
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</tr>
<tr>
<td>11</td>
<td>Other Animals</td>
<td>0</td>
<td>44</td>
<td>0</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

### ASSURANCE STATEMENTS

1. Ensure all individuals with responsibilities for the care, treatment, and use of animals are properly trained in the use of animal care and health, and the use of animal care and health, to ensure the health and well-being of the animals. Ensure the provision of adequate veterinary care and to increase the adequacy of veterinary care and the veterinary care of the animals. Ensure the provision of adequate veterinary care and to increase the adequacy of veterinary care and the veterinary care of the animals.

2. Ensure that all individuals with responsibilities for the care, treatment, and use of animals are properly trained in the use of animal care and health, and the use of animal care and health, to ensure the health and well-being of the animals. Ensure the provision of adequate veterinary care and to increase the adequacy of veterinary care and the veterinary care of the animals. Ensure the provision of adequate veterinary care and to increase the adequacy of veterinary care and the veterinary care of the animals.

3. Ensure that all individuals with responsibilities for the care, treatment, and use of animals are properly trained in the use of animal care and health, and the use of animal care and health, to ensure the health and well-being of the animals. Ensure the provision of adequate veterinary care and to increase the adequacy of veterinary care and the veterinary care of the animals. Ensure the provision of adequate veterinary care and to increase the adequacy of veterinary care and the veterinary care of the animals.

4. Ensure that all individuals with responsibilities for the care, treatment, and use of animals are properly trained in the use of animal care and health, and the use of animal care and health, to ensure the health and well-being of the animals. Ensure the provision of adequate veterinary care and to increase the adequacy of veterinary care and the veterinary care of the animals. Ensure the provision of adequate veterinary care and to increase the adequacy of veterinary care and the veterinary care of the animals. Ensure the provision of adequate veterinary care and to increase the adequacy of veterinary care and the veterinary care of the animals.
SUMMARY OF EXCEPTIONS

October 1, 1999 to September 31, 2000

1. In a single protocol, 12 rhesus monkeys must be chaired for periods greater than 12 hours and less than 24 hours. This is an exception to the standard set by the Laboratory Animal Welfare Act. The Act states that nonhuman primates must be given the opportunity for 1 hour of continuous unrestrained activity if more than 12 hours of restraint are required. Monkeys used in the protocol are chair-restrained approximately three to ten times per year. All animals are conditioned to this restraint to prevent any distress associated with chairing. The IACUC approved this restraint based upon the scientific requirements for continuous data collection.

2. Five ovariectomized female rhesus nonhuman primates will be transferred from a separate protocol to a new protocol that requires two additional survival surgeries over a time period of about two months. The purpose is to study endometriosis so that new treatments may be developed for humans suffering this disorder. The animals will not undergo any further major survival surgery after this protocol is completed. This is an exception to the standards set by the Guide and the Laboratory Animal Welfare Act (AWA), 9 CFR, § 2.31 (d)(x). The Guide states that multiple major survival surgical procedures on a single animal are discouraged but may be permitted if scientifically justified by the user and approved by the IACUC. The AWA standard states that no animal will be used in more than one major operative procedure unless justified for scientific reasons by the principal investigator, in writing and in special circumstances as determined by the USDA/APHIS Administrator. Both conditions were fulfilled. The USDA/APHIS Administrator approved the request for an exemption under 9 CFR, § 2.31(d)(x) to perform multiple survival surgeries on the five nonhuman primates used in the endometriosis study.
| A. Animals Covered By The Animal Welfare Regulations | B. Number of Animals Being Held | C. Number of Animals Under Teaching, Research, or Experimental Use | D. Number of Animals Under Teaching, Research, or Experimental Use Which Underwent Animal Procedures | E. Number of Animals Which Underwent Teaching, Research, or Experimental Use and Which Also Underwent Animal Procedures | F. Number of Animals Which Underwent Teaching, Research, or Experimental Use and Which Also Underwent Animal Procedures and Which Also Underwent Analytical Procedures | G. Total Number of Animals Under Teaching, Research, or Experimental Use |
|---|---|---|---|---|---|---|---|
| Dromedary Camels | 10 | 47 | 436 | 0 | 0 | 0 | 683 |
| 5. Cash | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| 6. Guinea Pigs | 0 | 22 | 57 | 0 | 0 | 0 | 79 |
| 7. Hamsters | 0 | 0 | 41 | 0 | 0 | 0 | 41 |
| 8. Rats | 0 | 52 | 218 | 0 | 0 | 0 | 270 |
| 9. Non-Human Primates | 6 | 2 | 99 | 0 | 0 | 0 | 101 |
| 10. Sheep | 0 | 0 | 6 | 0 | 0 | 0 | 6 |
| 11. Pigs | 0 | 0 | 110 | 0 | 0 | 0 | 110 |
| 12. Other Farm Animals | 0 | 0 | 21 | 0 | 0 | 0 | 21 |
| 13. Other Animals | 0 | 2 | 0 | 0 | 0 | 0 | 2 |

**ANNEXED STATEMENTS**

1. A statement of the reasons for each change in the quantity of animals and species and the basis for approval.
2. A statement of the reasons for each change in the quantity of animals and species and the basis for approval.
3. A statement of the reasons for each change in the quantity of animals and species and the basis for approval.
4. A statement of the reasons for each change in the quantity of animals and species and the basis for approval.
The following notes have been reported by the facility:

Registration Number: 21-R-0082  
Customer Number: 445  
Facility: COLUMBIA UNIVERSITY  
630 W 168TH ST  
NEW YORK NEW YORK, NY 10032  
(212) 305-3827

- BLACK BLDG  
630 WEST 168TH ST  
NEW YORK NEW YORK, NY 10032

- ST. LUKES - ROOSEVELT HOSPITAL - CLARK BLDG - ANTEN  
114 ST & AMSTERDAM AVE  
NEW YORK NEW YORK, NY 10032

- ST. LUKES-ROOSEVELT HOSPITAL  
AMSTERDAM AVE AND 59TH STREET  
NEW YORK NEW YORK, NY 10032
1. In a single protocol, 12 rhesus monkeys must be chaired for periods greater than 12 hours and less than 24 hours. This is an exception to the standard set by the Laboratory Animal Welfare Act. The Act states that nonhuman primates must be given the opportunity for 1 hour of continuous unrestrained activity if more than 12 hours of restraint are required. Monkeys used in the protocol are chair-restrained approximately three to ten times per year. All animals are conditioned to this restraint to prevent any distress associated with chairing. The IACUC approved this restraint based upon the scientific requirements for continuous data collection.
<table>
<thead>
<tr>
<th>Animals Covered by the Animal Welfare Regulations</th>
<th>A. Number of animals (1) being housed, (2) killed, (3) used for scientific research, (4) used in teaching, or (5) used for other purposes</th>
<th>B. Number of animals upon whose bodies scientific procedures were performed</th>
<th>C. Number of animals upon whose bodies surgical procedures were performed</th>
<th>D. Number of animals dealt with, upon which scientific or surgical procedures were performed, in which case the animal was killed, and for which appropriate anesthetics, analgesics, or tranquilizers were used</th>
<th>E. Number of animals upon which breeding or other procedures which would result in the birth or production of young animals were carried out</th>
<th>F. TOTAL NO. OF ANIMALS</th>
<th>G. (E) + (B)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. Dogs</td>
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<td>65</td>
<td>434</td>
<td>246</td>
<td>0</td>
<td>649</td>
<td></td>
</tr>
<tr>
<td>6. Cattle</td>
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<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>100</td>
<td>0</td>
<td>0</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>9. Non-Humans</td>
<td>4</td>
<td>0</td>
<td>128</td>
<td>0</td>
<td>0</td>
<td>128</td>
<td></td>
</tr>
<tr>
<td>10. Sheep</td>
<td>0</td>
<td>0</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>196</td>
<td>0</td>
<td>0</td>
<td>196</td>
<td></td>
</tr>
<tr>
<td>12. Other Farm Animals</td>
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</tr>
<tr>
<td>13. Other Animals</td>
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<td>0</td>
<td>25</td>
<td>0</td>
<td>25</td>
<td>25</td>
</tr>
</tbody>
</table>

Additional Information:

1. Procedures governing veterinary care, treatment, and use of animals, including appropriate use of anesthetics, analgesics, and tranquilizing drugs, in scientific and teaching laboratories were followed by the research facility.

2. Each principal investigator has implemented measures to ensure procedures.

3. This facility is a member of the Association for Assessment and Accreditation of Laboratory Animal Care (AALAC). It is a member of the Council for the Accreditation of Science and Technology, which has established and adopted a body of standards in the field of veterinary care.

4. The American Association for Laboratory Animal Science has given the research facility the title "National Laboratory Animal Center." The facility is accredited by the American Association for Laboratory Animal Science and by the American Association for Accreditation of Laboratory Animal Care.

Certificate by Headquarters Research Facility Official:

(Jeanne P. Proud, Acting Officer and Legally Responsible Institutional Official)
SUMMARY OF EXCEPTIONS

October 1, 2001 to September 31, 2002

1. In a single protocol, 12 rhesus monkeys must be chaired for periods greater than 12 hours and less than 24 hours. This is an exception to the standard set by the Laboratory Animal Act. The Act states that nonhuman primates must be given the opportunity for 1 hour of continuous unrestrained activity if more than 12 hours of restraint are required. Monkeys used in the protocol are chair-restrained approximately three to ten times per year. All animals are conditioned to this restraint to prevent any distress associated with chairing. The IACUC approved this restraint based upon the scientific requirements for continuous data collection.

2. In a single protocol, 9 rhesus monkeys were fasted (food) one time for 36 hours to investigate the potential effects of fasting on neuropeptides in the brains of primates.
The following sites have been reported by the facility:

Registration Number: 21-R-0907
Customer Number: 445
Facility: COLUMBIA UNIVERSITY
630 W 168TH ST
NEW YORK NEW YORK, NY 10032
(718) 305-3637

BLACK BLDG. & EYE INSTITUTE
630 WEST 168TH ST
NEW YORK NEW YORK, NY 10032
UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

FACILITY ORGANIZATION:

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

See Attached Listing

<table>
<thead>
<tr>
<th>A. Animals Covered by the Animal Welfare Regulations</th>
<th>B. Number of animals using conditions, described in the report, during the period</th>
<th>C. Number of animals upon which research, experiments, or tests were conducted concerning use of animals in research or development of new drugs or of drugs, vaccines, or other products</th>
<th>D. Number of animals upon which experiments, teaching, research, or tests were conducted involving pain, pain or distress, or which were subjected to pain or distress</th>
<th>E. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving pain or distress, or which were subjected to pain or distress and for which appropriate analgesics, anesthetics, or tranquilizers were used</th>
<th>F. TOTAL NO. OF ANIMALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. Dogs</td>
<td>2</td>
<td>8</td>
<td>6</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>5. Cats</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>6. Guinea Pigs</td>
<td>3</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
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<tr>
<td>7. Rabbits</td>
<td>3</td>
<td>90</td>
<td>90</td>
<td>90</td>
<td>90</td>
</tr>
<tr>
<td>8. Rats</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>9. Non-Human Primates</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>10. Sheep</td>
<td>8</td>
<td>12</td>
<td>12</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>11. Pigs</td>
<td>10</td>
<td>16</td>
<td>16</td>
<td>16</td>
<td>16</td>
</tr>
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<td>12. Other Farm Animals</td>
<td>5</td>
<td>91</td>
<td>91</td>
<td>91</td>
<td>91</td>
</tr>
<tr>
<td>TOTAL NO. OF ANIMALS</td>
<td>57</td>
<td>146</td>
<td>146</td>
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</tbody>
</table>
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. CERTIFICATION NUMBER: 74-R-0106
   CUSTOMER NUMBER: 9454

American Animal Health Inc.
2519 Spyway Drive
Grand Prairie, TX 75052

Telephone: (972) 841-5420

A. REPORTING FACILITY (List all locations where animals were housed or used in animal research, testing, or experimentation, or held for the purpose. Attach additional sheets if necessary)

FACILITY LOCATIONS (See) - See Name Label (Attachment #1)

B. Animals Covered
   By The Animal Welfare Regulations

   C. Number of animals being used, conditioned, or held for use in
   animal research, testing, or experimentation, or by personnel,
   research, or testing facilities

   D. Number of animals used

   E. Number of animals used

   F. TOTAL NUMBER OF ANIMALS

<table>
<thead>
<tr>
<th>Animals Covered</th>
<th>Number of Animals</th>
<th>TOTAL NUMBER OF ANIMALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>By The Animal Welfare Regulations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cattle</td>
<td>30</td>
<td>100</td>
</tr>
<tr>
<td>Other Animals</td>
<td>600</td>
<td>600</td>
</tr>
</tbody>
</table>

ASSURANCE STATEMENTS

1. In accordance with applicable laws, regulations, and codes of ethics, I have provided complete and accurate information concerning the use of animals in research, testing, or experimentation for which I am responsible.

2. This facility is in compliance with all applicable laws and regulations. I have reviewed and acknowledged the animal welfare report submitted by the principal investigator or the institutional research committee.

3. I have reviewed and acknowledged the animal welfare report submitted by the institutional research committee.

4. I have provided complete and accurate information concerning the use of animals in research, testing, or experimentation for which I am responsible.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

SIGNATURE OF C.I.O. OR INSTITUTIONAL OFFICIAL

DATE SIGNED: 10/23/02

OCT 8 2002

FORM 7523 (AUG 91)

Attachment #1

[Certification by the Institutional Research Committee]
American Animal Health, Inc.  
2619 Skyway Drive  
Grand Prairie, TX  75052  
U.S. Vet License 315  

FACILITY LOCATIONS

1.) Burrer Testing Facility  
2.0 Miles N. on the Hayden Ranch Rd. from  
the Junction of Tivydale Rd.  
Fredericksburg, TX  78624  

2.) Chester Spinrath Testing Facility  
Allenkamp Rd.  
Comfort, TX  78013  

3.) Farm Place Testing Facility  
8.5 Miles S. & 0.4 Miles West/Junction  
of Wilson Creek Rd. & FM 1341  
Comfort, TX  78013  

4.) Fredericksburg Texas Testing Facility  
Texas State Hwy '56  
Fredericksburg, TX  78624  

5.) Hillingdon Ranch Testing Facility  
346 Giles Ranch Rd.  
Comfort, TX  78013  

6.) Johnson City Texas Testing Facility  
Rt. 1, Box 770  
Johnson City, TX  78636  

7.) Laboratory Animal Testing and Storage Facility  
Building #3  
2625 Skyway Drive  
Suite 102  
Grand Prairie, TX  75052  

Goats  
Goats  
Goats  
Cattle & Goats  
Goats  
Goats  
Guinea Pigs & White Mice
8.)  Squaw Creek Testing Facility
     2.8 Miles South of Junction of Doss Rd.
     (FM648) and Squaw Creek Rd.
     Doss, TX  78618

9.)  Stueter Place Testing Facility
     15 Miles S. on Hwy 87 from junction of
     Highway St. and Hwy 87
     Comfort, TX  78018

10.) White Oak Testing Facility
     5 Miles S. of the Junction of Tivydale Rd.
     (FM 2093) & White Oak Rd.
     Fredericksburg, TX  78624

*2*

Goats

Goats

Goats
Attachment #2

* Host animal immunogenicity studies for Pasteurella Haemolytica Bacterin-Toxoid and Mycoplasma Bovis Bacterin have to be done by challenge protection evaluation as required by the U.S.D.A. Both vaccinated and non-vaccinated cattle have to go through the challenge stress for 4 days for P. haemolytica and 14 days for Mycoplasma bovis before being euthanized by captive bolt stunning and necropsied to evaluate the lung lesions.