### ANNUAL REPORT OF RESEARCH FACILITY

**TYPE OR PRINT**

**NOV 29 706**

**REPORTING FACILITY**

[Details about the reporting facility are not visible in the image.]

**FACILITY LOCATIONS**

See Attached Listing

### 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 Used, Conditioned, or Held for Use in Teaching, Testing, Research, Experiments, or Surgery but Not Yet Used for Such Purposes</th>
<th>C. Number of Animals upon Which Experiments, 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, Research, Experiments, or Tests Were Conducted Involving Pain, Distress, or Use of Pain-Relieving Drugs</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 an Appropriate Anesthetic, Analgesic, or Tranquilizing Drug Was or Was Not Used</th>
<th>F. Total No. of Animals (Cols. C + D + E)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. Dogs</td>
<td>12</td>
<td>203</td>
<td>82</td>
<td>212</td>
<td></td>
</tr>
<tr>
<td>5. Cats</td>
<td>62</td>
<td>848</td>
<td>643</td>
<td>7105</td>
<td></td>
</tr>
<tr>
<td>6. Gamea Pigs</td>
<td>2</td>
<td>111</td>
<td>82</td>
<td>193</td>
<td></td>
</tr>
<tr>
<td>7. Rabbits</td>
<td>280</td>
<td>801</td>
<td>1081</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9. Non-Human Primates</td>
<td>261</td>
<td>74</td>
<td>267</td>
<td>603</td>
<td></td>
</tr>
<tr>
<td>10. Sheep</td>
<td>39</td>
<td>39</td>
<td>39</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11. Pigs</td>
<td>27</td>
<td>854</td>
<td>881</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12. Other Farm Animals</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13. Other Animals</td>
<td>Chinchilla</td>
<td>12</td>
<td>36</td>
<td>48</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)

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

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

**DATE SIGNED**

11/27/06

APHIS 7023A FORM FURNISHED BY DEPARTMENT OF AGRICULTURE, APHIS (AUG 91)

PART 1 - HEADQUARTERS
Column E Explanation

This form is intended as an aid to completing the Column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

1. Registration Number: 51-R-0006

2. Number of animals used in this study.

3. Species (common name) *squirrel monkey* of animals used in the study.

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

The procedure involves the administration of neurotoxic substances, the highest doses of which have the potential to cause hyperthermia resulting in some discomfort or distress for the animal. The animal’s temperature is monitored closely by telemetry and intervention with artificial cooling occurs if it reaches 41.5 C.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see Item 6 below)

Drugs can not be given to alleviate distress because hyperthermia and associated behavior are part of the pathogenetic process which results in the neurotoxic phenomenon that is being studied. All of the available analgesics will alter either the hyperthermia or the behavior of the animal under study. Veterinary staff will be consulted if animals become sick and animals not responding to treatment will be withdrawn from the study and euthanized.

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

Agency ___________________________ CFR ___________________________
Column E Explanation

This form is intended as an aid to completing the Column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

1. Registration Number: 51-R-0006

2. Number of animals used in this study.

3. Species (common name) Guinea pig of animals used in the study.

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

The procedure involves anesthesia, surgical preparation, and injection of labelled beads into the brainstem and injection of tracers at various locations in the intra- and extrathoracic trachea. In a small subset of negative control animals, recovery from surgery without additional analgesics, under close observation, is necessary.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see item 6 below)

All of the available analgesics (opioids and NSAIDs) have a modulating effect on the cough reflex and would compromise the experiments. Animals showing signs of distress such as hunching, immobility, or weight loss will be euthanized by approved methods.

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

Agency __________________ CFR __________________