### UNITED STATES DEPARTMENT OF AGRICULTURE

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

### ANNUAL REPORT OF RESEARCH FACILITY

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

- **Animals Covered By The Animal Welfare Regulations**
- **Number of animals**
- **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.**

<table>
<thead>
<tr>
<th>Animals Covered By The Animal Welfare Regulations</th>
<th>B. Number of animals</th>
<th>C. 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>
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<tbody>
<tr>
<td>Dogs</td>
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<tr>
<td>Cats</td>
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<tr>
<td>Guinea Pigs</td>
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<td>Hamsters</td>
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<tr>
<td>Rabbits</td>
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<tr>
<td>Non-human Primates</td>
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<td>Sheep</td>
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<tr>
<td>Pigs</td>
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<tr>
<td>Other Farm Animals</td>
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<tr>
<td>Other Animals</td>
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</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 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)
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: 33-R-0090

2. Number 180 of animals used in this study.

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

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

   Acute Dermal Toxicity Studies may result in local
   Dermal Irritation after Test Article is Exposed to
   The Skin. The Endpoint of the Study is Survival
   At 14 Days After Exposure.

   Dermal irritation studies can result in limited test irritation.
   In vision tests irritation recover does not exceed 7 days.
   In most cases the study ends at 72 hours after exposure.

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)

   The US EPA (EPA) requires survival data for selected Anti-Microbial
   Compounds. We utilize a limit test to assess normal health
   effects and determine whether the compound
   is assigned to toxicity category I, II, III, IV.

   Pain must always include the animals' comfort and well being
   during the study interval.

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 EPA  CFR 1500  40 CFR 160