

<p>According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average .5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.</p>		<p>OMB APPROVED 0579-0036</p> <hr/> <p>Interagency Report Control No. 0180-DOA-AN</p> <hr/> <p>Fiscal year: 2020</p>	
<p style="text-align: center;">UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE</p> <p style="text-align: center;">Annual Report of Research Facility Column E Explanation <i>(TYPE OR PRINT)</i></p>			
<p style="text-align: center;">This information is required by law (7 U.S.C. 2143 and 9 C.F.R. §2.36). Failure to report according to the regulations can result in an order to cease and desist.</p>			
<p>1. REGISTRATION NUMBER</p> <p>46-R-0002</p>		<p>2. Research Facility Headquarters address</p> <p>SOUTH DAKOTA STATE UNIVERSITY ADMIN 200 BROOKINGS, SD 57007</p>	
<p>3. Number of animals used in the study.</p> <p>75</p>		<p>4. Species (common name) of animals used in the study.</p> <p>Guinea Pigs</p>	
<p>5. Explain the procedure producing pain and distress.</p> <p>The animals were infected with a virus that may cause weight loss, sneezing, decrease in feed consumption, fever, and death. During this research project there was no statistical difference between the control and challenged animals in this study.</p>			
<p>6. Provide the scientific justification for not providing the appropriate anesthetics, analgesics, or tranquilizing drugs during procedures where the animal experienced accompanying pain or distress greater than momentary or slight.</p> <p>The object of this study was to study the growth of swine and bovine D influenza D viruses in the Guinea Pig model. The virus must be given the ability to multiply and use of analgesics have the potential to alter clinical and/or histopathological changes crucial to study goals.</p>			
<p>7. 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):</p> <p>N/A</p>			
<p>Agency</p>		<p>CFR</p>	

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OMB APPROVED
0579-0036

Interagency Report Control No. 0180-DOA-AN

Fiscal year: 2020

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

**Annual Report of Research Facility
Column E Explanation**

(TYPE OR PRINT)

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1. REGISTRATION NUMBER

46-R-0002

2. Research Facility Headquarters address

SOUTH DAKOTA STATE UNIVERSITY
ADMIN 200
BROOKINGS, SD 57007

3. Number of animals used in the study.

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

Guinea Pigs

5. Explain the procedure producing pain and distress.

The animals were infected with a virus that may cause weight loss, sneezing, decrease in feed consumption, fever, and death. During this research project there was no statistical difference between the control and challenged animals in this study.

6. Provide the scientific justification for not providing the appropriate anesthetics, analgesics, or tranquilizing drugs during procedures where the animal experienced accompanying pain or distress greater than momentary or slight.

The aim of this study was to determine virus replication and aerosol transmission of mutant swine viruses in a guinea pig model. The virus must be given the ability to multiply and use of analgesics have the potential to alter clinical and/or histopathological changes crucial to study goals.

7. 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):

N/A

Agency

CFR