

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.

**OMB APPROVED**  
0579-0036

Interagency Report Control No. 0180-DOA-AN

Fiscal year: 2022

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

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

*(TYPE OR PRINT)*

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.

**1. REGISTRATION NUMBER**

APHIS Registration Number 74-G-0001  
Customer Number 334102

**2. Research Facility Headquarters address**

1604 E FM 1294  
Lubbock, TX 79403

**3. Number of animals used in the study.**

40

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

Pig/Swine

**5. Explain the procedure producing pain and distress.**

Evaluation of the use of endotoxin administration during gestation to alter postnatal immune function in pigs.

Animals were exposed to LPS to initiate an innate immune response and associated febrile response similar to that when animals are exposed to gram-negative bacteria.

**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 use of pain mitigation strategies and analgesics cannot be utilized to eliminate discomfort due to their effects on the endocrine and immune system biomarkers that are evaluated in these studies. Utilization of analgesics alters physiological and immunological parameters that were being measured in a manner that renders the study and data unusable.

**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):**

**Agency**

**CFR**

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Cattle/Bovine

**5. Explain the procedure producing pain and distress.**

Novel model to elucidate the genesis of liver abscesses in weaned Holstein calves

Some animals displayed clinical symptoms of illness following ration changes (such as bloat or diarrhea, and depressed appetite). Any pain or discomfort associated with the bacterial challenge was minimal

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**5. Explain the procedure producing pain and distress.**

Impact of different stressors on physiology, immunity, and oxidative stress in dairy calves

Animals were exposed to LPS to initiate an innate immune response and associated febrile response similar to that when animals are exposed to gram-negative bacteria.

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