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0579-0036

Interagency Report Control No. 0180-DOA-AN

Fiscal year: 2021-2022

**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

42-R-0001

2. Research Facility Headquarters address

Diamond Animal Health
2358 S.E. 43rd Street
Des Moines, IA 50327

3. Number of animals used in the study.

2,385

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

Hamsters

5. Explain the procedure producing pain and distress.

Leptospira bacterins for cattle are tested in hamsters as described in the 9 CFR. Leptospira organisms are injected into hamsters to determine the potency of the bacterin. Leptospira causes death in susceptible hamsters. By comparing the number of vaccine protected live hamsters to the number of unprotected, unvaccinated dead hamsters, the potency of the bacterin is obtained.

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.

Death as the endpoint for the control hamsters is required per the 9 CFR. Interventions, such as antibiotics or analgesics, would likely prevent or delay death and thus interfere with the test results. According to the 9 CFR 117.4(e), test animals showing signs of clinical illness due to the test may be treated or humanely destroyed if illness has progressed to a point where death is certain to occur. The Center for Veterinary Biologics (CVB) Notice No. 04-09 allows for moribund animals exhibiting clinical signs of the expected disease pathogenesis that are unable to rise or move under their own power to be humanely euthanized and considered as deaths as referred to in 9 CFR 117.4 (e). Diamond Animal Health, Inc. received permission from the CVB to euthanize moribund hamsters exhibiting clinical signs of Leptospirosis and this policy has been in effect since FY2005-2006. (b) (4)

During the current reporting period 350/2,385(14.7%) moribund hamsters from Category E were euthanized. This is an increase over last year.

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

USDA-APHIS

CFR

9 CFR 113.101, 113.102, 113.103, 113.104

(b) (4)

