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

22-R-0157

2. Research Facility Headquarters address

675 Hoes Lane West, room 115
Piscataway, NJ 08854

3. Number of animals used in the study.

69

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

Hamster

5. Explain the procedure producing pain and distress.

For this study hamsters are used as a model for COVID-19 infection with the ultimate goal of development of therapeutics than can be used in human medicine. Because hamsters are inoculated with live virus, they are expected to have respiratory symptoms.

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.

In order to test potential therapeutic agents, hamsters must first develop clinical signs of COVID-19 infection;administration of analgesics could affect disease progression. While it is possible the treatments may improve the outcome of the disease, it is not known prior to experimentation as these are novel agents and respiratory distress could persist.

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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1. REGISTRATION NUMBER	**2. Research Facility Headquarters address**
22-R-0157	675 Hoes Lane West, room 115 Piscataway, NJ 08854
3. Number of animals used in the study.	**4. Species (common name) of animals used in the study.**
103	Rabbit

5. Explain the procedure producing pain and distress.

For this study rabbits are used as a model to treat Mycobacterium tuberculosis (Mtb), a leading disease among humans responsible for more than a million deaths each year. Because rabbits are inoculated with Mtb, they are expected to have respiratory symptoms.

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.

In order to test potential therapeutic agents, rabbits must first develop clinical signs of Mtb infection; administration of analgesics could affect disease progression. While it is possible the treatments may improve the outcome of the disease, it is not known prior to experimentation as these are novel agents and respiratory symptoms could persist.

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**