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

84-F-0001

2. Research Facility Headquarters address

USDA, APHIS, WS, NWRC
4101 LaPorte Ave
Fort Collins, CO 80521

3. Number of animals used in the study.

1

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

Coyote (*Canis latrans*)

5. Explain the procedure producing pain and distress.

Coyotes will have a leg-hold trap placed in its enclosure and baited to encourage getting trapped. Once trapped, the coyote will be monitored by research staff for up to 10 minutes. During this time, other nearby coyotes will be able to see this coyote struggle in the trap. The goal of the research is to determine if the coyotes are less likely to be captured in a leg-hold trap if they witness another coyote in a leg-hold trap.

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 provide a negative impression to the nearby coyotes we need to allow the coyote in the leg-hold trap to struggle to free itself. Sedatives or anesthetics will likely dull this reaction.

The researchers will observe are will be prepared to intervene if either the animal becomes injured during the struggle or they become concerned about the safety of the animal. They will be in a position to provide medical care.

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	N/A	**CFR**	N/A

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

84-F-0001

2. Research Facility Headquarters address

USDA, APHIS, WS, NWRC
4101 LaPorte Ave
Fort Collins, CO 80521

3. Number of animals used in the study.

38

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

Black Rats (Rattus rattus)

5. Explain the procedure producing pain and distress.

Rats were administered a toxicant known as DR8 dissolved in a phosphate buffer to determine the LD50 of the substance. This was done using the up-and-down method.

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.

This study is designed to determine the toxicity (LD50) of DR8 to rats. Oral administration of the compound is necessary to ensure that the compound is compatable with field application. Analgesics/ anesthetics have been shown to interfere with the toxicity of chemicals and will confound the planned studies. Therefore, analgesics/anesthetics will be withheld.

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	N/A	**CFR**	N/A

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

84-F-0001

2. Research Facility Headquarters address

USDA, APHIS, WS, NWRC
4101 LaPorte Ave
Fort Collins, CO 80521

3. Number of animals used in the study.

22

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

Black Rats (Rattus rattus)

5. Explain the procedure producing pain and distress.

Rats were administered a toxicant known as DR8 dissolved in a phosphate buffer to determine the LD50 of the substance. This was done using the up-and-down method.

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.

This study is designed to determine the toxicity (LD50) of DR8 to rats. Oral administration of the compound is necessary to ensure that the compound is compatable with field application. Analgesics/ anesthetics have been shown to interfere with the toxicity of chemicals and will confound the planned studies. Therefore, analgesics/anesthetics will be withheld.

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	N/A	**CFR**	N/A