



Inspection Report

University of Massachusetts Amherst
217 Mass Venture Center 100 Venture Way
Hadley, MA 01035

Customer ID: 515

Certificate: 14-R-0036

Site: 001

UNIVERSITY OF
MASSACHUSETTS, AMHERST

Type: ROUTINE INSPECTION

Date: 24-FEB-2025

2.33(b)(2)

Attending veterinarian and adequate veterinary care.

Pertaining to IACUC approved Protocol 4680: Expired euthanasia solution was identified in an investigator area by members of the IACUC during the semi-annual facility inspection in October 2024; the exp date on the bottle of euthanasia solution was 6/24/24. The IACUC determined that the investigator staff had performed a total of 9 perfusions using the expired euthanasia solution up to 7/17/24. According to veterinary personnel who were present during the perfusions, the reflexes of the research animals were checked during the procedures and no pain or distress were noted in any of the animals.

Per this Section, each research facility shall establish and maintain programs of adequate veterinary care that include the use of appropriate methods to prevent, control, diagnose, and treat diseases or injuries. The use of medications that are past the manufacturer's expiration date in research animals is not considered providing adequate veterinary care. Outdated drugs may not be as effective or may have unexpected effects in the animals. The research facility addressed this incident prior to the inspection by providing retraining to investigator staff on ensuring that all medications used on research animals are in date, revision of surgical recordkeeping forms to include the expiration dates of all medications administered to animals, and additional training of investigator staff on surgical records and drug storage. No additional incidents have occurred. To remain corrected from this date 2/25/25 forward.

2.38(f)(1)

Critical

Repeat

Miscellaneous.

One Dark-eyed Junco was not handled as carefully as possible by investigator staff during an IACUC approved study procedure on 6/24/24. An error was made by the investigator when setting up the environmental chamber that resulted in the death of the bird due to inadequate airflow settings. Investigator staff corrected the airflow settings, and the metabolic chamber was then used in the successful testing of thirty-nine birds.

Per this Section, the handling of animals by all personnel, including investigator research staff, should be done as carefully as possible in a manner that does not cause physical harm or unnecessary discomfort. The Dark-eyed Junco was not handled as carefully as possible during the study procedure when the airflow settings for the chamber were set at an inadequate level that led to its death. The research facility addressed this incident prior to the inspection by

Prepared By: PAULA GLADUE

USDA, APHIS, Animal Care

Date:

25-FEB-2025

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implementing corrective measures including retraining of investigator staff on the operation of the environmental chamber, placing additional labelling of the gas lines to/from the chamber, and review of all procedures by veterinary staff. No additional incidents have occurred.

This inspection was conducted with facility representatives from 2/24/25 through 2/25/25. The exit briefing was held 2/25/25.

END OF REPORT

Prepared By: PAULA GLADUE
USDA, APHIS, Animal Care

Title: VETERINARY MEDICAL
OFFICER

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Species Inspected

Cust No	Cert No	Site	Site Name	Inspection
515	14-R-0036	001	UNIVERSITY OF MASSACHUSETTS, AMHERST	24-FEB-2025

Count	Scientific Name	Common Name
000013	<i>Callithrix jacchus</i>	COMMON MARMOSET
000009	<i>Bos taurus</i>	CATTLE / COW / OX / WATUSI
000013	<i>Equus caballus</i>	DOMESTIC HORSE
000010	<i>Capra hircus</i>	DOMESTIC GOAT
000009	<i>Ovis aries aries</i>	SHEEP INCLUDING ALL DOMESTIC BREEDS
000000	<i>Junco hyemalis</i>	DARK-EYED JUNCO / SLATE-COLORED JUNCO
000003	<i>Odocoileus virginianus</i>	WHITE-TAILED DEER
000006	<i>Meriones unguiculatus</i>	MONGOLIAN GERBIL
000006	<i>Oryctolagus cuniculus</i>	DOMESTIC RABBIT / EUROPEAN RABBIT
000069	Total	