



Inspection Report

Northeast Area Beltsville Location

10300 Baltimore Avenue
Building 209, BARC- East
BELTSVILLE, MD 20705

Customer ID: **334304**

Certificate: **51-G-0001**

Site: 001

NORTHEAST AREA BELTSVILLE
LOCATION

Type: ROUTINE INSPECTION

Date: 17-MAY-2022

2.31(c)(7) Critical

Institutional Animal Care and Use Committee (IACUC).

A significant modification was made to a protocol without submitting it to the IACUC for review and approval. Protocol 21-002 states that mice will have their health assessed by body condition scoring, weights, and visual observation. Body condition scores are utilized as a humane endpoint in the study. Inspectors requested body condition score records for the mice currently on protocol, but the PI was unable to provide any records because he did not conduct body condition scoring. Making changes to a protocol without seeking IACUC review and approval does not allow the IACUC to perform adequate oversight into the use of animals for medical research. Correct by May 20, 2022 by allowing the IACUC to review and either approve, require modifications in, or withhold approval of proposed significant changes regarding the care and use of animals in ongoing activities.

2.31(d)(1)(vii) Critical

Institutional Animal Care and Use Committee (IACUC).

A mouse was on a study, did not receive veterinary care, and ultimately succumbed without the benefit of a veterinarian intervention. Protocol 21-002 discusses potential adverse events to animals on study, one of which is mice showing signs of discomfort and pain such as hunching over, dehydration, unkempt coat, and malaise. If there are any signs of undue pain and discomfort in the animals, the protocol states the animal will be humanely euthanized. On May 4, 2022, at 10:45 AM,

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the vivarium staff noticed one mouse currently on Protocol 21-002 that appeared hunched, lethargic, and dehydrated with a sunken abdomen, squinting eyes, increased respiratory effort, and a rough hair coat. A mass was observed between the left front and thoracic area. The PI and AV were both notified via email regarding the findings. At 11:00 AM, the veterinary technician went to evaluate the mouse and confirmed the earlier findings, recommending euthanasia as soon as possible. Although hydrogel and wet food were placed on the floor of the cage, no veterinarian provided a treatment plan or medical care. An additional email was sent to the PI and AV at 11:19 AM informing them of the veterinary technician's evaluation and seeking approval for euthanasia. The PI responded at 11:42 AM to the veterinary technician, approving euthanasia for the mouse. The email was not received by the veterinary technician until 12:48 PM. According to the room logs, the veterinary technician returned to the mouse's enclosure at 1:00 PM, to euthanize the mouse. However, the mouse was found deceased.

Failing to provide medical care for animals on a study resulted in a mouse that endured undue stress and pain for over two hours without veterinarian intervention.

Correct by May 20, 2022 by ensuring that animal care staff follow the IACUC approved written protocol by providing medical care for animals by a qualified veterinarian.

2.33(b)(2) Direct

Attending veterinarian and adequate veterinary care.

At the time of the inspection, dairy cow number 4807 was in the sick pen. According to daily observation logs, the animal's feed intake first dropped on May 13, 2022 and continued for several days until she completely stopped eating on May 16, 2022. The facility did not contact a veterinarian until May 17, 2022. The animal caretaker told the inspector, earlier that day he determined the cow has a left displaced abomasum, prompting him to call the veterinarian. According to facility SOP "Dairy Unit 2021 Treatments", any cows that show signs of reduced feed intake should receive 8 gallons of water, 1/2 gallon of mineral oil, and 6 Maglax boluses for three days. However, after speaking with the animal caretaker and

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reviewing daily medical logs, the cow did not receive the treatments listed out in the SOP and no veterinarian was consulted until the cow had experienced 5 days of clinical signs. Following attending veterinarian approved SOPs or consulting with the attending veterinarian for animal diseases or illnesses is critical to provide appropriate treatment and avoid unnecessary pain and suffering. Correct by May 20, 2022 by ensuring the program of veterinary care includes the appropriate methods to diagnose and treat diseases and is followed by all animal care staff.

2.33(b)(3)

Attending veterinarian and adequate veterinary care.

Animals with illness or signs of disease are not being detected by animal care staff during daily observations.

- Inspectors found a calf with a golf ball-sized swelling on the lower left jaw. According to logs, daily observations had already been performed by facility employees prior to the inspectors observing this calf. The swelling was not noticed or documented by the facility.

- Inspectors found approximately 7% of chickens in the acclimation stage of a protocol with soft feces, fecal staining and reddened and inflamed skin surrounding their cloacae. Additionally, one bird showed clinical signs of depression with squinting eyes and reluctance to move. According to logs, daily observations had already been performed by facility employees and no abnormalities were noted. Due to these chickens being in the acclimation phase of the study, GI disruptions would not be expected. Veterinary intervention had not been provided by facility employees prior to observations by inspectors.

Daily observations are necessary for the detection of illness or conditions that may require veterinary care. Correct by May 20, 2022 by ensuring facility employees are performing adequate daily observations and recognize signs of illness, injury or disease in animals.

This inspection and exit interview were conducted with .facility representatives.

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Additional Inspectors:

Rachel Perez-Baum, VETERINARY MEDICAL OFFICER

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Species Inspected

Cust No	Cert No	Site	Site Name	Inspection
334304	51-G-0001	001	NORTHEAST AREA BELTSVILLE LOCATION	17-MAY-2022

Count	Scientific Name	Common Name
000263	<i>Bos taurus</i>	CATTLE / COW / OX / WATUSI
000539	ARS BIRDS	ARS BIRDS
000735	<i>Mus musculus</i>	HOUSE MOUSE / LAB MOUSE (COMMON RESEARCH VARIETY)
001537	Total	