



Centers for Disease Control and Prevention
Division of Vector-Borne Diseases
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MEMORANDUM

To: **Steve Monroe, Ph.D.**
Institutional Official
Associate Director for Laboratory Science and Safety
Office of the Director, Centers for Disease Control and Prevention

From: (b)(6)
Chairperson, CDC-Fort Collins Institutional Animal Care and Use Committee

Subject: Semiannual Evaluation of Animal Care and Use Program and Inspection of Facilities – Division of Vector-Borne Diseases, Fort Collins, CO

Date: October 9, 2018

CC: (b)(6)
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OD/OADLSS/ACUPO
DVBD Institutional Animal Care and Use Committee (IACUC)

This memorandum documents the September 11, 2018 Semiannual Evaluation of the Centers for Disease Control and Prevention (CDC) – Division of Vector-Borne Diseases animal facility inspection and program review by the Institutional Animal Care and Use Committee (IACUC), as required by the Public Health Service (PHS) Policy on Humane Care and Use of Laboratory Animals and as a condition of this Institution's Animal Welfare Assurance on file with the Office of Laboratory Animal Welfare (OLAW) and United States Department of Agriculture (USDA) Animal Welfare Regulations, 9 CFR Chapter I, subchapter A, as applicable. This evaluation utilized the National Research Council's *Guide for the Care and Use of Laboratory Animals* (2011).

Findings of the September 11, 2018 Semiannual Review of the CDC-Fort Collins Animal Care and Use Program

The CDC-Fort Collins IACUC conducted the Semiannual Evaluation of the Institution's

Animal Care and Use Program on September 11, 2018 using the PHS Policy on Humane Care and Use of Laboratory Animals (PHS Policy), the *Guide for the Care and Use of Laboratory Animals*, 2011 (the “Guide”), and Title 9 CFR Chapter I, Subchapter A – Animal Welfare Regulations (USDA Regulations), as applicable.

CDC-Fort Collins IACUC members who participated in the Program review included (b)(6) (b)(6) provided administrative support.

A modified OLAW checklist was provided to assist in the assessment. No deficiencies were noted.

The CDC-Fort Collins IACUC members reviewed records and inspected the animal facilities on September 11, 2018 using the PHS Policy on Humane Care and Use of Laboratory Animals, the *Guide for the Care and Use of Laboratory Animals*, 2011 (the “Guide”), and Title 9 CFR Chapter I, Subchapter A – Animal Welfare Regulations (USDA Regulations), as applicable. Currently approved exceptions to the 2011 Guide were also reviewed.

CDC-Fort Collins IACUC members who participated in the facility inspection included (b)(6) (b)(6) provided administrative support. (b)(6) (all from animal care contractor services) escorted IACUC members and AAALAC site visitors through the animal facilities and/or answered questions.

No significant deficiencies were noted by the IACUC during the facility inspection and records review. There were a few minor deficiencies noted and their status is listed in Appendix A below.

Approved Protocol Exceptions to the Guide

The following are exceptions to the 2011 *Guide* that were reviewed and approved by the IACUC for individual protocols.

Eight (8) approved protocols allow mice to be individually housed on a metal grate for up to 5 days while ticks feed (ticks drop off into ½” of water kept under metal grate, replete ticks are removed from water daily). Mice are provided with a plastic petri dish bottom (as a platform for respite from any discomfort incurred by the metal grate) for days 2-4 before ticks begin dropping off. A mouse hut is provided for additional comfort. Mice are euthanized at the end of the tick-feeding session or returned to regular housing, depending on the study protocol. One protocol allows rabbits to be single-housed with an Elizabethan-collar to facilitate feeding and biocontainment of ectoparasites or to prevent fighting. Six (6) mouse protocols allow pregnant females to be housed individually when they are ready to litter. For the purpose of disease surveillance, one (1) mouse protocol allows for the use of soiled bedding from other cages housing mice placed in cages with SPF mice as a means of exposure.

Program Changes

No IACUC policies were reviewed or updated since the last semi-annual letter to the IO.

Program Exceptions

There were no program exceptions during this period since the last report to the IO.

Names of IACUC Members

Signatures/ Initials

(b)(6)	Chairperson
(b)(6)	Member
(b)(6)	Nonaffiliated, non-scientist member
(b)(6)	Attending Veterinarian Member
(b)(6)	Statistician Member
(b)(6)	Health and Safety Member
(b)(6)	Scientist Member
(b)(6)	Scientist Member
(b)(6)	Alternate Scientist
(b)(6)	Scientist Alternate
(b)(6)	Member, Alternate
(b)(6)	Statistician Alternate
(b)(6)	Attending Veterinarian Alternate

(b)(6)

Appendix A

RESULTS OF IACUC SEMI-ANNUAL PROGRAM REVIEW AND FACILITY INSPECTION FOR DVBD

FOLLOW-UP RECORD

September 11, 2018

Location and Item to Fix	(S) or (M)*	Correction Plan	Person Responsible	Corrective Action Performed	Correct by date	Date Corrected
(b)(6) Expired red top tubes	M	Discard	(b)(6)	Discarded tubes	9-18-18	9-24-2018
Multiple areas on (b)(6) Emergency Guide Book dated 2008	M	BioSafety Officer to review, update as needed, and change date		(b)(6) determined that the emergency guide books need a complete update	10-26-2018	In progress
(b)(6) Expired sterile saline bottles	M	Discard		Discarded bottles	9-18-2018	9-17-2018
Apogee Lighting Records Do not reflect correct light cycle, data logger being utilized to verify light cycles	M	Software engineer to correct reports		Software cannot be corrected, new version upcoming in 2019 that may correct the issue. For now, using data loggers in rooms to ensure	9-28-18	To be determined

Location and Item to Fix	(S) or (M)*	Correction Plan	Person Responsible	Corrective Action Performed	Correct by date	Date Corrected
				BAS system is working correctly		
Rabbit health records for (b)(6) do not have disposition	M	Obtain records from PI for procedures conducted and disposition	(b)(6)	Records from PI provided to (b)(6) for inclusion in their health record	9-18-2018	9-14-2018
Animal Census forms not being fully utilized by investigators, inconsistent	M	Review form, modify as needed, email to all animal users on use of the form		Form modified	9-28-2018	Form revised 9-17-2018 Email to users 10-4-2018

*Significant (S) or Minor (M)