

Centers for Disease Control and Prevention Division of Vector-Borne Diseases 3156 Rampart Road Fort Collins, CO 80851 970-221-6400

#### 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:

May 8, 2018

CC:

DVBD Institutional Animal Care and Use Committee (IACUC)

This memorandum documents the March 6, 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). The semi-annual activities were conducted by the IACUC in conjunction with the AAALAC site inspection for accreditation renewal.

Findings of the March 6, 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 March 6, 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.

The AAALAC Program Description (PD) was provided for the review. No significant deficiencies were noted. Minor deficiencies consisted of 1) completing Section 2.III.D. Surgery of the PD (section was completed); 2) Appendix 11 HVAC System Summary. Evaluate and revise this appendix so it accurately reflects the program. Is there central temperature monitoring of animal rooms including temperature ranges and alarms? In which position (open or closed) do the re-heat coil valves fail (Appendix 11 was updated and re-heat coil valves fail in the closed position); 3) other minor items were corrected to more accurately reflect the Program (Section 1. Introduction, item D. CDC Director changed and Office of Infectious Diseases Director changed since original submission. Section 2. Description, Item A.1.b. (p. 11) Last paragraph was misplaced, it was moved to Section 2. B. Program Oversight item 1.a.i. (p. 35). Section 2.II.A.4. Noise and Vibration (p. 55). The response was incorrectly considered part of the previous section (aquatic species). The correct response was added. Section 2.III.F. Anesthesia and Analgesia. (p. 79) Doses were corrected due to typographical errors.

The CDC-Fort Collins IACUC members reviewed records and inspected the animal facilities on March 6, 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.

(b)(6) provided administrative support. (b)(6) and (b) (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.

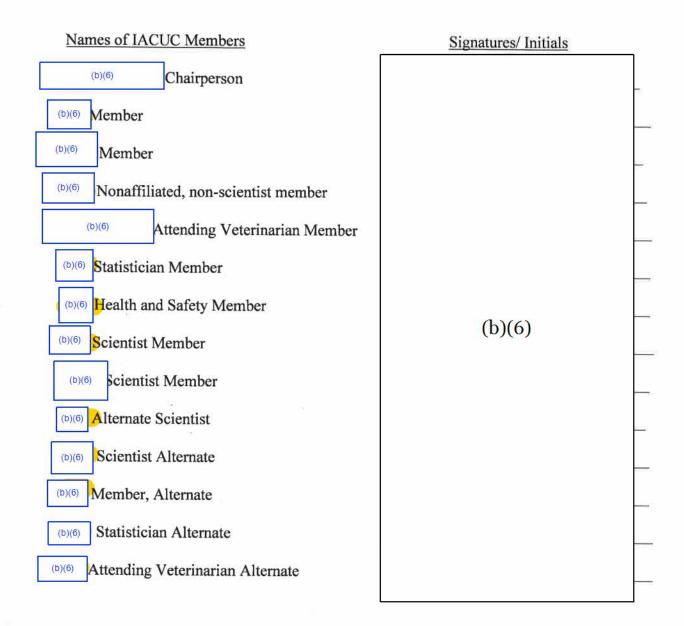
Eight (8) approved protocols allow mice to be individually housed on a metal grate for up to 5 days while ticks feed (ticks drop off into ½" of water kept under metal grate, replete ticks are removed from water daily). Mice are provided with a plastic petri dish bottom (as a platform for respite from 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 be placed in cages with SPF mice as a means of exposure.

#### **Program Changes**

IACUC policies were reviewed and updated since the last semi-annual are as follows:

### **Program Exceptions**

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



## Appendix A

# RESULTS OF IACUC SEMI-ANNUAL PROGRAM REVIEW AND FACILITY INSPECTION FOR DVBD FOLLOW-UP RECORD

March 6, 2018

Location and Item to Fix	(S) or (M)*	Correction Plan	Person Responsible	Corrective Action Performed	Correct by date	Date Corrected
(b)(6) PI no longer at CDC still listed on white board	М	Remove PI's contact information		Name and phone number removed	4-17-2018	4-10-2018
(b)(6) Charcoal canister does not have initial weight	М	Train staff on use of charcoal canister	(b)(6)	Training conducted	4-17-2018	3-27-2018
(b)(6)  DVBD emergency personnel list outdated (2014)	М	Update list		List updated	4-17-2018	4-10-2018
(b)(6)  Records review – airflow issue, positive to negative and back	NA	Building engineer said it was a computer software issue which will be corrected. There is no airflow problem.		Correct computer software	No date assigned	In progress as of 5-2- 2018

<sup>\*</sup>Significant (S) or Minor (M)