



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

From: Amy Ullmann, Ph.D.  
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

(b)(6)  
Date: April 9, 2018

CC:



This memorandum documents the March 5, 2019 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 March 5, 2019 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 5, 2019 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) provided administrative support.

No significant deficiencies were noted. The modified OLAW checklist was utilized for the review with discussion.

The CDC-Fort Collins IACUC members reviewed records and inspected the animal facilities on March 5, 2019 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) and (b)(6) provided administrative support. (b)(6)

(all from animal care contractor services) escorted IACUC members 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.

Seven (7) 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. Two (2) 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

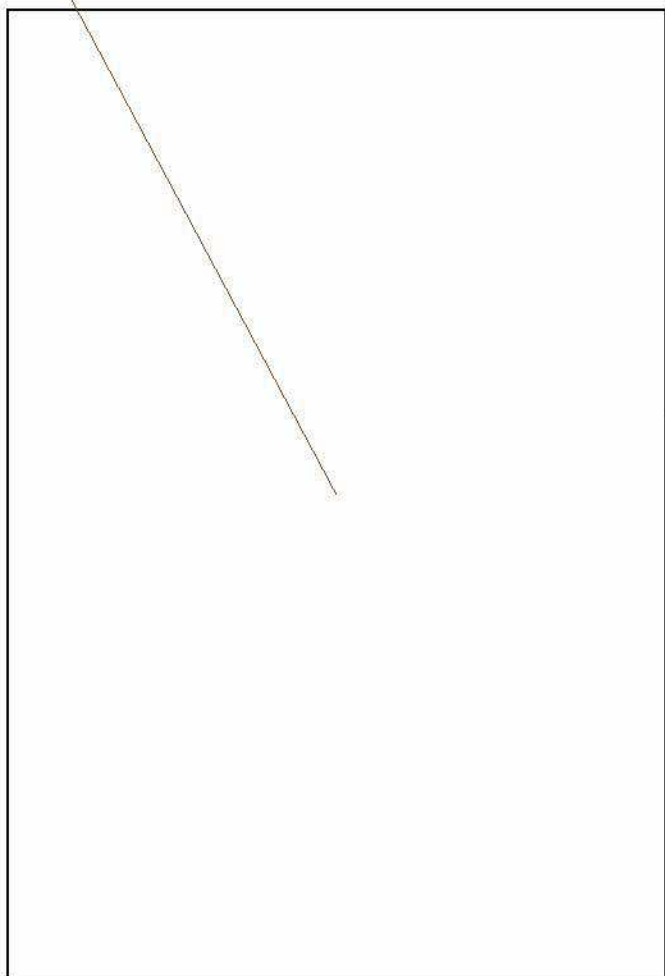
New IACUC Policy FTC-032 Ordering Animals from the DVBD Mouse Colony was put in place in February 2019.

### Program Exceptions

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

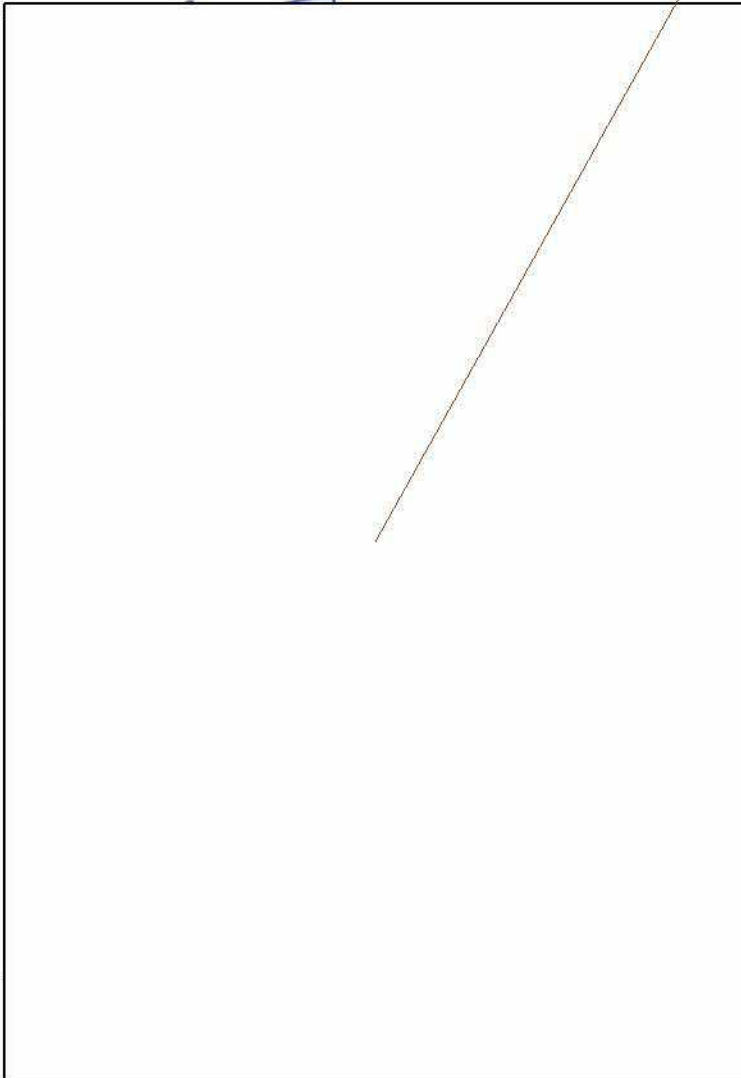
(b)(6)

Names of IACUC Members

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(b)(6)

Signatures/ Initials

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**Appendix A**

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

**FOLLOW-UP RECORD**

March 5, 2019

<b>Location and Item to Fix</b>	<b>(S) or (M)*</b>	<b>Correction Plan</b>	<b>Person Responsible</b>	<b>Corrective Action Performed</b>	<b>Correct by date</b>	<b>Date Corrected</b>
(b)(6) PBS expired Stain kit expired	M	Remove expired items	(b)(6)	Removed items	3-12-2019	3-16-2019
Bulk autoclave 1 <sup>st</sup> floor Expired autoclave strips	M	Removed expired strips		Removed expired strips	3-12-2019	3-16-2019
(b)(6) Expired needles, etc.	M	Remove expired items		Removed expired items	3-12-2019	3-6-2019
(b)(6) Miscellaneous items on cart, expired	M	Remove expired items		Removed expired items	3-12-2019	3-27-2019

\*Significant (S) or Minor (M)