

SOP #: 503.01Title: **SOP -** Procedures for Scheduled Testing of Sentinel Rodents

Approvals:

Attending Veterinarian _____

Date: 10/01/12

Assistant Director LAR _____

Date: 10/11/12

1. Purpose

1.1 To determine if the resident mouse and rat population are infected with or has been exposed to undesirable adventitious agents.

2. Responsibility

2.1 The Animal Care Technician (ACT) assigned to his/her animal room implements and executes this SOP.

2.2 The AD and facility supervisor ensure compliance with these procedures and to ensure the ACTs are appropriately trained in the execution of this SOP.

3. Definitions

3.1 AV – Attending Veterinarian

3.2 AD – Assistant Director

3.3 ACT – Animal Care Technician.

4. Guidelines

4.1 Sentinel cages are set up in accordance with the Rodent Health Surveillance and Sentinel Soiled Bedding Procedure SOP.

4.2 Sample and result handling.

- 4.2.1 All samples are collected by the AV or AD, or designee. However, it is the ultimate responsibility of the AD to ensure the procedures are performed in this SOP.
 - 4.2.2 Sample collector submits samples to Charles River Laboratories unless otherwise indicated by the AV and the AD keeps a copy of the accession forms.
 - 4.2.3 When testing results are received, are reviewed by the AV and AD. If positive results are obtained, if needed quarantine procedures will be implemented and investigators are notified, as appropriate. Sample results should remain confidential.
 - 4.2.4 The LAR Laboratory staff, or designee, enters the results into the appropriate Sentinel Report History spreadsheet on the ACF sharepoint.
 - 4.2.5 Results are kept for at least three years, preferably indefinitely.
- 4.3 General information
- 4.3.1 In the event of any positive laboratory tests, remaining sentinel animals may be used for veterinary directed follow-up testing.
 - 4.3.2 Mouse and Rat sample procedures and testing schedule
 - 4.3.2.1 **Quarterly:** Charles River - Assessment Plus Panel
 - 4.3.2.1.1 One mouse/rat per sentinel cage will be euthanized, bled and necropsied.
 - 4.3.2.1.2 Specimen collection, procedures and preparation are described in the Rodent health Surveillance SOP.
 - 4.3.2.2 **Annually:** Charles River - HM Plus Panel
 - 4.3.2.2.1 One sentinel is collected from each cage and the live animal sent to the contract laboratory for the Mouse/Rat Comprehensive Health Panel (Charles Rivers HM Plus Panel). The panel includes bacterial cultures, gross necropsy, parasitology, and assessment plus murine.
 - 4.3.2.2.2 If the Mouse/Rat Comprehensive Health Panel is not performed for a given sentinel animal group, at a minimum the equivalent of routine quarterly testing will be performed or specimens will be submitted for similar testing performed at various laboratories.

5. References

5.1 Description of Charles River Laboratories testing

([http://www.criver.com/SiteCollectionDocuments/rm ld r mouse PRIA PCR Panel global .pdf](http://www.criver.com/SiteCollectionDocuments/rm%20ld%20r%20mouse%20PRIA%20PCR%20Panel%20global.pdf))