TITLE: Zebrafish Health Surveillance

SCOPE: Research and Animal Care Personnel

RESPONSIBILITY: Facility Manager, Professional and Administrative Staff, Research and Technical Staff

PURPOSE: To Outline the Proper Procedures for the Zebrafish Sentinel Program

I. PURPOSE

1. This procedure outlines the proper procedure for sampling of the program.

II. RESPONSIBILITY

1. The Facility Manager ensures that staff are aware of the correct sampling and testing procedures.

III. SENTINEL TESTING INTERVALS

1. Water and detritus is tested every 6 months (January and July) for colony health evaluation. Whole fish who appear diseased may be euthanized and sent off at any time for additional diagnostic testing at the discretion of the Facility Veterinarian.

IV. SAMPLING PROCEDURE

1. From each rack collect 1 mL of detritus (system debris) into a tube from the system tank by the sump and submit frozen with cold packs. Dry ice is not required.

2. At the same time, collect 100 mL of water from the system tank on each rack near the drum filter in a plastic container with a tight-fitting lid that will not leak in transit. Water samples should be shipped with cold packs in an insulated container by overnight courier.

V. SAMPLE SUBMISSION & TESTING PANELS

1. Please submit samples to Facility Manager who will then coordinate shipping with the Assistant Director. Samples are tested using the IDEXX Zebrafish Comprehensive PCR Panel and the Zebrafish Microbiology Panel.

VI. REFERENCES

1. https://www.idexxbioanalytics.com/zebrafishsop

Approved: Date: