

Here Fishy Fishy: Aquaculture Systems

Standard Laboratory Operating Procedure #203 Physical Evaluation of Fish Health in Aquaculture

Laboratory: Biotechnology/Environmental
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Location: Science Lab
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General: A tank's ecosystem is dependent on good water quality. Maintaining specific levels of chemical and physical characteristics in the water are critical to the health and survival of the fish. The purpose of this procedure is to continuously monitor the aquaculture system for physical changes.

Safety: Wear proper PPE.

Materials

Science Lab Notebook
Blue or Black Ink Pen
Dissecting Microscope
Hand Lens

Procedure

Physical Monitoring of Fish in Aquaculture System

1. Monitor the following physical observations daily of the fishes and record in lab notebook:

Swimming behavior;

feeding behaviors;

external signs of disease, such as white spots, fungi;

water- quality issues.

Note: Sometimes fish will display unusual behaviors such as swimming on their side toward the bottom or not feeding. These signs often indicate poor water quality.

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