



OFFICE OF LABORATORY ANIMAL CARE

Working Instructions

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|------------------------|---------------|------------------------------|--------------------|----------|
| WIN Number: | 609 | Water Quality Testing | Revision #: | 0 |
| Date Effective: | 1/6/25 | | Supersedes: | 0 |

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| Author(s): | Kristina Jones | Sign: | <i>Kristina Jones</i> | Date: | <i>1/7/25</i> |
| | Dr. Nicole Emmitt | Sign: | <i>Dr. Nicole Emmitt</i> | Date: | <i>1/7/2025</i> |
| Facility Manager: | Vincent Flournoy | Sign: | <i>Vincent Flournoy</i> | Date: | <i>1/8/2025</i> |

PROCEDURE

All work instructions must be demonstrated by the trainer and performed by the trainee.

1. Water Quality Monitoring:
 - a. Perform programmatic analysis of drinking water at least once annually, or more frequently if veterinary directed.
 - b. A minimum of one water source from each facility will be tested. Obtain samples such that a representative sample of water delivered to animals is tested for each animal facility.
 - c. Follow the sample collection guidelines defined by the water quality testing laboratory. We currently use CRL for this testing. Below are the testing requirements.
 - For Sterility Membrane Function Test - Fill two (2) 500 ml bottles with water from the targeted source.
 - For Microbial Bioburden Test- Fill two (2) of the provided 100mL containers with water from the targeted source. Each container has a neutralizing agent in them from the lab. (i.e., the supplied Sodium Thiosulphate tablet).
 - Collect water within 24 hours of shipment. Store at 4 degrees Celsius. Ship overnight on cold packs. Do not freeze water samples.
2. Water quality testing may include such parameters as microbial content/contamination, chemical contamination, ion and metal content, hardness, and conductivity.

List of frequently tested sources and test types

Last Updated: 0/00/00

| NAF | | | LKS | | |
|--|-----------------------------|--|--|-----------------------------|--|
| Water Source | Test Type | Comments/Details | Water Source | Test Type | Comments/Details |
| Hydropac | Sterility Membrane Function | Use recently made hydropacs | Hydropac | Sterility Membrane Function | Use recently made hydropacs if in use. Check with PAT |
| Bottle Filler Bat Water Reservoir Songbird Rm Sink (NAF 157) | Microbial Bioburden | Songbird room allow the water to run for several minutes prior to collecting samples | NHP bottle fillers | Microbial Bioburden | Collect samples from the main water source |
| WH 6th Floor | | | WH Basement | | |
| Water Source | Test Type | Comments/Details | Water Source | Test Type | Comments/Details |
| Hydropac | Sterility Membrane Function | Use recently made hydropacs | Frog Area Zebrafish Area WH-B 1 D (fish) WH-B 32A-32B-30E-47 (fish) | Microbial Bioburden | Collect samples from the main water source |
| Bottle Filler (WH651) | Microbial Bioburden | | | | |
| VLSB | | | Minor Hall | | |
| Water Source | Test Type | Comments/Details | Water Source | Test Type | Comments/Details |
| VLSB 5185 | Microbial Bioburden | Collect samples from the main water source | Minor Hall 599F (Chick sink) | Microbial Bioburden | Allow water to run for several minutes prior to collecting samples |
| FSBR | | | | | |

| Water Source | Test Type | Comments/Details | |
|--|---------------------|--|--|
| FSBR bldg 6A (songbird storage room sink) | Microbial Bioburden | Allow water to run for several minutes prior to collecting samples | |
| FSBR Primate sanctuary-drinking water | Microbial Bioburden | Allow water to run for several minutes prior to collecting samples | |

REFERENCE DOCUMENTS

| REVISION HISTORY | | | |
|------------------|-----------|----------------|-------------|
| REVISION NUMBER | AUTHOR(S) | EFFECTIVE DATE | REVISION(S) |
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