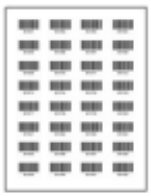
Water Sample Collection Guide

Accurate, repeated testing and removal of infected plants is critical for maintaining consistent yields. This document details the steps to collect water samples for testing at TUMI Genomics Laboratories. These instructions are specific to the Water Test.

1 Prepare Materials

Provided Materials

50mL tubes



Extra barcode stickers

User Supplied Materials

Disposable gloves

10% Bleach solution

2 Identify Testing Locations

Select locations within the facility to gather water samples. Before collecting samples, document which tube number corresponds to which location.

Extra barcode stickers are provided to help label sample areas

TUBE #	LOCATION

Recommended areas for testing include:

- The initial water source (city water, well water etc) prior to purification
- The water directly after sterilization/purification
- Water in main holding tanks. Be sure to gather water from the bottom of the tank, where fungal spores are likely to settle.
- Areas with joints or turns in the irrigation lines, especially in pipes that lead to rooms with symptoms of fungal infection.
- Run-off water on drain tables that may touch roots of neighboring plants
- Any suspicious areas where you see evidence of fungal growth in the water system or pipes.

3 Collect Samples

Open the 50mL tube and set the lid face up on a clear surface.

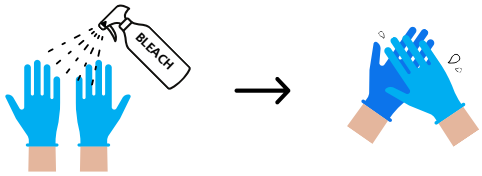
Fill the tube 2/3 full with water. **DO NOT fill the tube to the top.**

If you see fungal-like growth from source, use a clean tool to dislodge some of the growth and include that material in the sample tube.

Secure the lid tightly back on the sample tube.

4 Sterilize Between Samples

Before collecting the next sample, wash your hands, change your gloves, or bleach gloves.



If using a tool to collect fungal-like growth, sterilize the tool in 10% bleach for 5 minutes and then rinse it in distilled water before reusing it.

5 Returning Samples

When all the samples have been collected, ensure the lids are tight and place each sample in its own sealed, ziplock bag.

If possible, ship the tubes in a cardboard box versus an envelope to avoid breakage during shipping. Ship samples to:

TUMI Genomics
320 East Vine Drive Suite 129
Fort Collins, CO 80524

Turnaround time is 10 business days

Have more questions?

See the FAQ section of our website or contact us at (720) 807-8864 or sales@tumigenomics.com

International Clients

USDA Permit Packet

This packet must be printed and packed into your return shipment to the TUMI Genomics lab.