

## Sampling for Microscopic Particulate Analysis

### Sampling Apparatus Preparation

The apparatus is sanitized, not sterilized. Clean by washing with household detergent, rinse with tap water and finally reagent water. Air dry. If multiple samples are to be run using the same sampling kit, and field conditions preclude disassembly, flush kit with 50 gallons of water to be sampled prior to installing a new filter cartridge. Sample from the least contaminated source to the most contaminated source. To avoid contaminating the hose and meter on the effluent side of the filter element, remove effluent hose and meter before flushing.

### Sampling

Sample as close to the source as possible. Inspect and clean any possible source of contamination which could give a false representation of the source water to be sampled.

1. Documentation of Sampling:  
Complete Water Sample Data Sheet  
(can be downloaded from [www.biovir.com](http://www.biovir.com))  
Mark Sample Vessel with Unique ID
2. Sampling Flow Rate:  
Not to exceed 4 liters (1 gpm) per minute
3. Sample Volume:  
Min: 500 gallons  
Recommended: 1000 gallons  
Max: Not Stated
4. Run Time (expected) 8.5 - 17 hours

### 5. Packaging and Shipment:

Shut off flow. Disconnect influent and effluent hoses; remove housing from the kit and pour the residual water in the housing into a large resealable bag. Try not to agitate the filter element. Open the housing, aseptically remove the filter element and place it in the re-sealable bag with the residual water. Seal, label and place the sample in a second re-sealable bag and seal. Place enough blue ice in the kit or shipping cooler to keep the sample cold (4- 8 C) during shipment.

**DO NOT FREEZE THE SAMPLE.**

Avoid direct contact between the blue ice and the filter element.

**Do not use too much blue ice as it can freeze the filter element and invalidate the sample.**

### 6. Holding Time:

The maximum transit / holding time should not exceed 48 hours.

### Shipping Address

Attn: Sample Receiving  
BioVir Laboratories, Inc  
685 Stone Road, Unit 6  
Benicia, CA 94510

Please ship samples to arrive Monday through Thursday (preferred), 08:30 - 17:00 hours.