

## SAMPLING INSTRUCTIONS

1. Purge the well.
2. Prepare the pump (Peristaltic preferred, Grundfos, or air bladder) as normal. Use the clamp provided to ensure a leak-proof connection.
3. Remove the filter from the Falcon tube.
4. Attach the inlet of the filter with a 1/4" - 5/16" inner diameter (I.D.) tubing using the clamp to secure.
5. Place the filter within a receiving container so that the amount of water filtered can be measured accurately.
6. The amount of water filtered will vary depending upon the turbidity of the water. We recommend filtering 1-2 L.
7. Record the volume of water that passed through the filter, and then submit the filter for analysis. The water may then be discarded.

**Note:** If the filter clogs before 1L has been filtered, record how much water was passed through the first filter, and then collect an additional filter, also recording the volume of water that went through the second filter. In this case, both filters are then submitted for testing. For each location there should be **no more than 2 filters** used and there is no need to filter more than 2L of water.

**Hold time for this analysis is 24 hours.**

8. **Immediately following collection, it is VITAL that each filter is preserved with 3mL of preservative.** Using the 3mL syringes (provided) load the syringe with 3mL of preservative, attach the filter onto the end of the syringe, and inject. Please cap the filter on both ends. The thinner end should be closed with the red rubber cap and the thicker end should be closed with the clear luer plug. Immediately place the filter back in a Falcon tube and store within a cooler.

### To Submit Sample:

1. Place the filter in the Falcon tube provided.
2. Affix the label to the Falcon tube and note the amount of water that passed through the filter, the well location, sampling date, and the analyses requested.

## SHIPPING INSTRUCTIONS

### Packaging Samples:

1. Samples should be shipped in a cooler with ice or blue ice for next day delivery. If regular ice is used, the ice should be double bagged.
2. A chain of custody form must be included with each shipment of samples. Access our chain of custody at [www.microbe.com](http://www.microbe.com)

### Shipment for Weekday Delivery:

Samples for weekday delivery should be shipped to:

Sample Custodian  
Microbial Insights, Inc.  
10515 Research Drive  
Knoxville, TN 37932  
(865) 573-8188

### Shipment for Saturday Delivery:

**Due to the short hold time associated with RNA it is not recommended to send samples for Q-Expression (RNA) for Saturday Delivery.**

