

SAMPLING INSTRUCTIONS

1. Read all the instructions and the Important Notes before starting.
 2. Purge the well and prepare the pump (Peristaltic preferred, Grundfos, or air bladder) as normal.
 3. Remove the filter, adapter, clamp and caps from the Falcon tube. (Provided)
 4. Pass the tubing (1/4" - 5/16" inner diameter (I.D.)) through the provided clamp and tighten the clamp to secure the hose to the Luer-Lock adapter as shown in the image to the right.
 5. Attach the filter's inlet to the Luer-Lock adapter installed in the previous step.
 6. Place the filter within a receiving container so that the amount of water filtered can be measured accurately.
 7. Filter up to 1 liter of water. The amount of water filtered will vary depending on the turbidity of the water. Please see Notes below for more information.
 8. Record the volume that passed through the filter in milliliters (mLs). The water may then be discarded.
 9. Cap the filter on both ends. The thinner end should be closed with the red cap. The thicker end should be closed with the white Luer lock plug.
- Important Notes:** This process should last approximately 30-60 minutes per sample. If the filter clogs before 1L has been filtered, record how much water was passed through the first filter. If less than 500mL, 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 as one single sample. For each sampling location there should be **no more than 2 filters** used and there is no need to filter more than 1L of water. While we recommend filtering up to a liter of groundwater, please note that this analysis is sensitive and can be performed with as little as 10mL depending on the biomass of the system.

Hold time for this analysis is 24-48 hours.

To Submit Sample:

1. Place the filter in the Falcon tube provided. The filter has the microbial population and will be used for analysis.
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. If multiple filters were used for one well, please notate filter "1 of 2" or "2 of 2". This only needs to be listed as one sample on the chain of custody.

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

Shipment for Weekday Delivery:

Samples for weekday delivery should be shipped to:

USK Building
Attn: Sample Custodian
618 Sunset Drive
Muldersdrift
1739, Mogale City
South Africa

Please send an email message including the tracking number of your package(s) to CustomerService@microbe.com to notify us your shipment is on the way.

