



## Equipment recommended to have available when sampling for NGS

- Styrofoam box and cooling elements
- Permanent marker
- Sterile zip lock bags

### For sampling of:

**Biofilm and fish:** eNAT swab

**Water:** Sterivex-filter  
Syringe w/Luer-Lock  
Parafilm

## General recommendations

**We encourage everyone to register all samples electronically in our customer portal iWISE before shipment!** Always mark each sample well and be sure to mark the shipment with location and location number to ensure traceability upon arrival at our laboratory.

Swabs can be used to sample the environment, ex. biofilm surrounding tanks, pipes and biofilter. Additionally, they can be used to sample fish, such as skin, mucus, and gills.

Use new and sterile sampling equipment. It is recommended to do duplicate samplings for all water samples. When sampling water, the same syringe can be used for the duplicate filters. For swab samples, one sample per sampling point is enough. Mark the sample and note on the sample form where the sampling has been done, in addition to other relevant information. The samples are placed in individual, sterile bags, also appropriately marked. Both filters and swabs can be frozen on-site and sent cool to our laboratory.



### Sampling water

1. Prepare the equipment; two sterivex filters, one syringe and a sterile bag for each sampling point.
2. Use the syringe to pull up water from the source. Attach the syringe to the inlet port of the sterivex filter. Push the water through the filter. Repeat, until the desired amount of water has been filtrated.

#### **Recommended amount of water: 200 ml**

3. When the desired amount of water has been filtrated, fill the syringe with air, and push the air through the filter. This is to remove as much of the water as possible from the filter capsule.
4. Seal both ends using parafilm and mark the filters and the bag.
5. The filters can be frozen on-site until shipment.



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### **Sampling using swabs**

1. Use the swab to swab a representative area. It is important to get a good amount of material on the swab.
2. Open the containing and place the swab inside. Make sure the head of the swab is covered in the preservation liquid. Break the swab by the marking and cap the container.
3. Mark the container with a permanent marker. Place it inside a marked bag.
4. The swab can be frozen on-site until shipment

Filters and swabs can be placed in a Styrofoam box, with a cooling element and information about the location and the location number, order form and sampling form. Send the package with express delivery.

If anything is unclear – Please contact us!

### **Ship the samples with express delivery to:**

**PHARMAQ Analytiq AS**  
**Thormøhlensgate 53D**  
**5006 Bergen**  
**Norway**