

Water eDNA test kit instructions



KIT CONTENTS

● 50ml syringe ● 1ml syringe with luer lock and cap pre-filled with preservation solution ● Syringe filter ● Gloves ● Barcoded sample bag

To collect your sample, please follow these 12 steps and return the sample to us at Hill Labs.



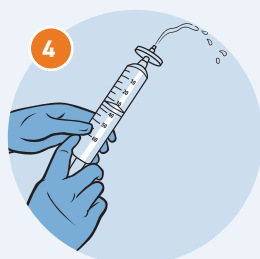
GLOVES



DRAW SAMPLE



ADD FILTER



PUSH SAMPLE



CLOG FILTER



ADD DETAILS TO FORM



AIR DRY



ADD SOLUTION FROM SMALL SYRINGE



CAP



BAG



COMPLETE FORM



SEND TO LAB

- 1 GLOVES** - Open the sampling kit and put on the gloves provided.
- 2 DRAW SAMPLE** - Using the syringe, draw 50ml of water from sample site.
- 3 ADD FILTER** - Screw the filter onto the syringe. Do not overtighten fittings and caps, as they may break
- 4 PUSH SAMPLE** - Push the water through the filter ensuring the water is discharged downstream of the sampling location.
- 5 CLOG FILTER** - Detach the filter and repeat steps 2-5 until the filter clogs.
- 6 ADD DETAILS TO FORM** - Record the total volume of water pushed through the filter on the Analysis Request form.
- 7 AIR DRY** - Remove the filter and draw air into the syringe. Screw the filter back on and push through air to dry out the filter.
- 8 ADD SOLUTION FROM SMALL SYRINGE**
Uncap the small syringe (pre-loaded with preservation solution). Remove filter from sample syringe and attach to small syringe. Hold the filter unit so that the outlet points upwards and gently push through the solution. Stop when the first drop can be seen emerging from the filter outlet and leave the small syringe attached to the filter.
- 9 CAP** - Cap the filter outlet using the luer lock cap provided with the preservation syringe to seal the filter unit. Invert the filter so it points down and slowly press the syringe plunger to expel any remaining preservation solution into the filter. Gently shake the syringe-filter-cap unit.
- 10 BAG** - Transfer the entire syringe-filter-cap unit into the small barcoded bag. Add sample details to bag.
- 11 COMPLETE FORM** - Complete the required information on the Analysis Request form. *Please note: For replicate sampling, submit a separate Analysis Request Form for each set of samples. Place each set of replicate samples in its own plastic bag, along with the corresponding Analysis Request Form.*
- 12 SEND TO LAB** - Seal the kit and send to Hill Labs for analysis.