

eDNA 6 - rep Kit Instructions



WILDERLAB

Discovery through DNA



If you would like more information including instructional videos, please scan the code to visit wilderlab.co/directions

1



Take the gloves out of the sample bag, put them on, and take out the large syringe. Draw up 50 ml of water from just below the surface of the water. Take care not to suck up any sediment from the bottom.

2



Gently screw the filter on to the large syringe taking care not to overtighten, then push the plunger down to squeeze the water out through the filter. Avoid getting air bubbles in the filter as they can be difficult to push through.

3



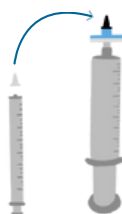
Unscrew the filter from the large syringe and continue drawing and filtering until 1L of water has been filtered (20 syringe fulls), or the filter is clogged. If this happens, gently pulling back on the plunger may sometimes dislodge any particles trapped in the filter.

4



Unscrew the filter and draw 50 ml of air into the large syringe. Re-attach the filter and squeeze the air through the filter to remove excess water, while holding the syringe vertically with the filter pointing down.

5



Holding both the large syringe (with the filter still attached) and the small syringe (with black cap attached) in the same hand and in an upright orientation, transfer the black cap from the small syringe on to the outlet end of the filter.

6



Unscrew the filter (with the black cap now attached) from the large syringe and screw it on to the small syringe.

7



Push the plunger of the small syringe to inject the preservative into the filter. Shake well while holding the plunger down. Do not remove the syringe or cap from the filter. Don't worry if there are any air bubbles in the filter or if the plunger springs back - this is normal.

8



Place the filter with both the black cap and small syringe still attached into the sample bag. **Now repeat these steps for the other 5 replicates, and place all 6 replicates in the sample bag after completion.**

9



Seal the sample bag and record the sample details in the space provided. Ensure that the coordinates are entered in WGS84 decimal format (for example -41.30951, 174.82110 as displayed on Google Maps).



Submit your samples online at wilderlab.co/submit-samples

Print and sign the Chain of Custody (CoC) form that will be emailed to you after online sample submission. Include this in the parcel containing your samples (no refrigeration necessary).

Send your samples back to us within one month from collection

If this isn't possible, ensure that your samples are stored in a freezer at -20 C until you send them.

Send your samples and CoC form to the address provided in the auto-email