



## SERVICES OFFERED

# FIELD FILTRATION FOR SOLUBLE METALS/NUTRIENTS

**Filter kit contents:** 50mL plastic syringe, One pair of Med-X co-polymer film large gloves, 100mL plastic bottle (our code FN100) containing 0.5mL nitric acid, Advantec 50mm, 0.45µm cellulose acetate Labodisc, cat 50CP045AN

1. Ensure hands are clean and free of dirt then carefully slip the plastic gloves provided onto each hand.
2. Using the syringe suck 3-5 mL of the sample up into the barrel. If sample volume permits it would be good practice to use this to rinse the syringe and then discard this first volume of sample to waste.
3. Collect a second volume of 40-50 mL of sample and attach the filter as per diagram. **Note:** remove only the caps at each end of the filter.
4. Extrude about 5 mL of sample to waste to rinse the filters.



5. Uncap the 100 mL bottle and position the bottom of the filter over the mouth of the bottle.

**Note:** Avoid the lid from getting contaminated by placing back into the plastic bag the container and syringe were delivered in. This will avoid dust contamination from the surrounding environment.

6. Fill the bottle if possible. For samples that are difficult to filter we require at least 30 mL (reduced sample volume may limit the range of tests able to be performed and the level of associated Quality Control)
7. Immediately cap the bottle and label it, place it into the plastic zip lock bag ready to be transported in a chilly bin.



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