

# DigiFILTER

## Field Filtration Kit.

Collect, filter, preserve and store samples.

1 Collect



2 Filter



3 Filter



4 Preserve + Store



**For USEPA Method  
200.7, 200.8 and 200.9**

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# Field Filtration Kit

**Catalogue Number 010-500-170**

According to the USEPA method “Metals in Water by ICP-AES 200.7, Metals in Water by ICP/MS 200.8 and Metals in Water by GFAA”, sample filtration must be filtered through a 0.45 um pore membrane. This is stated in section 8 of the method - Sample Collection, Preservation and Storage.

## **Section 8: SAMPLE COLLECTION, PRESERVATION, AND STORAGE**

*8.2 For the determination of dissolved elements. The sample must be filtered through a 0.45 microns pore diameter membrane filter at the time of collection or as soon thereafter as practically possible. Use a portion of the sample to rinse the filter flask, discard this portion and collect the required volume of filtrate. Acidify the filtrate with (1+1) nitric acid immediately following filtration to pH<2.*

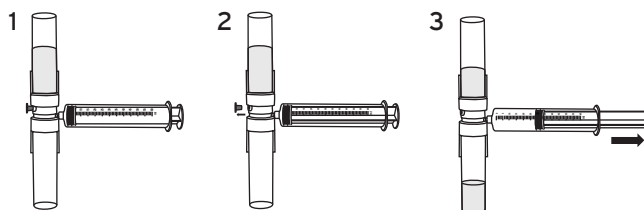
### **Field Filtration Kit includes:**

- 25 **DigiFILTER** with 0.45 µm Teflon filter membranes. Each individual **DigiFILTER** is packaged to prevent field contamination
- 30 **DigiTUBE**s with screw caps in place
- 1 X 6 mL eyedropper bottle to dispense 2 to 3 drop of (1+1) **PlasmaPURE** Nitric acid
- 1 foam storage rack
- 1 **SCP SCIENCE** Sharpie pen
- 2 X 60mL plastic syringes to create a vacuum to filter samples from the collection vessel to the sample tube.



### **Procedure:**

Collect water sample in **DigiTUBE**. Connect **DigiFILTER** to sample tube, screw second tube in place. Connect the syringe with plunger at bottom of syringe cylinder. Use the syringe to pull a vacuum through the Luer connector. Repeat the last step if sample requires continued filtration.



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