

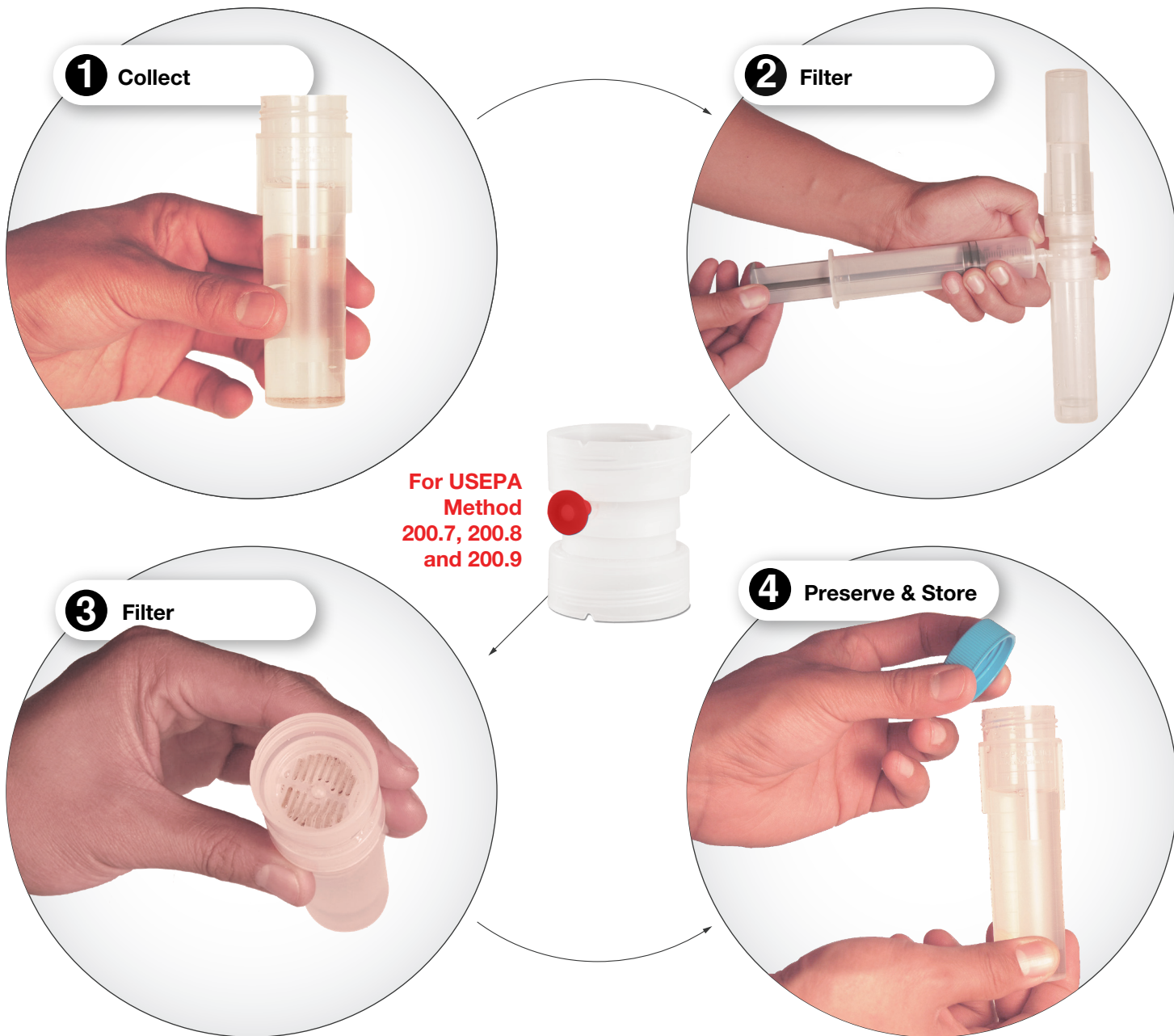
# DigiFILTER



CATALOGUE # 010-500-170

## FIELD FITRATION KIT

Collect, filter, preserve and store samples.



\* DigiFILTER -Reg. U.S. Patent No: 7,731,036 B2 - Reg. Canadian Patent No: 2,574,322

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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 volume of filtrate. Acidify the filtrate following filtration to pH<2.

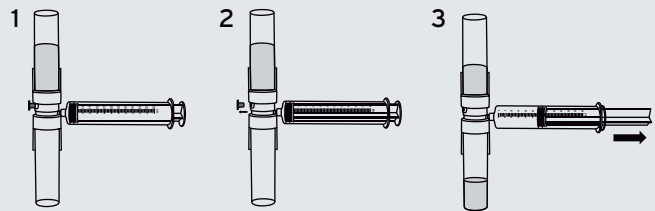
#### FIELD FILTRATION KIT INCLUDES:

- 25 DigiFILTER\* with 0.45 µm Teflon filter membranes. Each individual DigiFILTER is packaged to prevent field contamination
- 30 DigiTUBEs 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 60 ml Plastic Syringes to create a vacuum to filter samples from the collection vessel to 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.



MK-FIELD\_FILTRATION-8.0-E

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