

# Sample Filtration: FilterMate

The FilterMate™ Filtration System provides a convenient, economical method for filtration for 50mL and 15mL samples and requires no transfer steps.

Samples may require filtration prior to analysis. This is especially true with sludge, wastewater and soil samples. The FilterMate fits directly into the digestion vessel and is pushed through the liquid being filtered to the bottom of the cup with a detachable plunger. After filtration is complete, the plunger is removed and discarded while the filter assembly remains in the bottom of the cup.

To Use:

1. Attach the FilterMate plunger to the filter assembly.
2. Push the FilterMate assembly through the liquid being filtered to the bottom of the digestion vessel.
3. Remove the plunger and discard.
4. Finished sample may be capped for storage or put directly into an autosampler.



Membrane Type	Sample Size	Porosity	Lot Certified	Catalog #	Quantity
PTFE-faced Polypropylene	50mL	2.0µm	No	SC0401	100
<i>Characteristics: Highest dirt capacity</i> <i>Applications: Most laboratory applications</i>					
Acid-washed Glass Fiber Filter	50mL	0.7µm	No	SC0404	100
<i>Characteristics: Porous Polyethylene Frit</i> <i>Applications: TCLP extractions.</i>					
PTFE w/additional PTFE Prefilter	50mL	0.45µm	No	SC0407	100
<i>Characteristics: Not for particulate-laden samples</i> <i>Applications: Dissolved metals only</i>					
PTFE, Certified for Trace Metals	50mL	2.0µm	Yes	SC0408	100
<i>Characteristics: High dirt capacity</i> <i>Applications: Suitable for trace level analysis</i>					
PTFE, Certified for Trace Metals	50mL	0.45µm	Yes	SC0409	100
<i>Characteristics: Low Solids</i> <i>Applications: Dissolved metals only</i>					
Polyethylene Frit	15mL	2.0µm	No	SC0421	100
<i>Characteristics: For use with SC415 digestion cups</i>					

## Holder for FilterMate Filtrations (50mL cup)

This machined HDPE fixture adds stability when performing FilterMate filtrations. The holder secures the SC475 digestion cup as the FilterMate is depressed through the liquid sample.

Filter Holder Catalog # SC0510

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