

Increased Lab Efficiency

Optimize your workflow process by filtering and incubating your sample all in the same unit!

Pre-assembled sterile Microbiological Filtration Monitors eliminate the preparation time traditionally spent on assembly, cleaning and autoclaving filtration units before use in test procedures or before reusing the units between successive filtration series.

Monitors are manufactured to the highest standards in the industry and proven to meet or exceed the requirements of established QA/QC standard test methods.

Microbiological Filtration Monitors

Microbiological Monitors are designed specifically for membrane filtration methods used in identifying microorganisms in aqueous samples up to 100 ml.

Features

- Sterile, disposable unit eliminates preparation time spent on cleaning and autoclaving
- All in one assembly combines filtration unit and petri dish and helps to minimize contamination
- Preloaded membrane and pad eliminates transfer step and manual manipulation of the membrane
- Built-in magnification lid for colony count
- Reliable, reproducible results unit-to-unit and lot-to-lot

Applications

Microbiological analysis of:

- Potable water
- Beer and wine
- Oils, extracts and broths
- Dairy products, juices and soft drinks
- Wastewater

EPA Update issued February 2013:*

Primary Drinking Water Regulations:
Revision to the Total Coliform Rule "Disposable membrane filtration equipment that is pre-sterilized by the manufacturer (i.e. disposable funnel units) may be used."

**Federal Register/Vol. 78, No. 30/Wednesday, February 13, 2013/Rules and Regulations*

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Microbiological Monitor Workflow Process

Simplify your work flow process with your established methods in these easy steps!

1



Add your sample into the pre-assembled monitor device and filter.

Pre-assembled sterile and disposable unit reduces preparation time and autoclaving expenses while increasing laboratory efficiency.

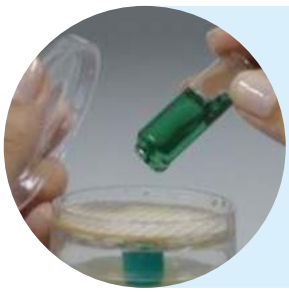
2



Remove the funnel for easy conversion into petri dish.

Facilitates ease of handling.

3



After filtration is complete, add the appropriate growth media to the preloaded membrane and pad in the remaining petri dish.

Pre-loaded membrane and pad eliminates manual manipulation and transfer step with no risk of trapped air bubbles.

4



Remove the petri dish from the vacuum manifold, cover the sample with the lid.

Ready-to-use pre-sterilized filtration unit designed to be attached to vacuum manifold, eliminates the cleaning and sterilization required of reusable funnels and helps to reduce testing time by up to 70%!

5



Result

Ready for incubation.

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Technical Specifications

Membrane Material	Mixed Cellulose Esters (MCE)
Pore Sizes	Passed
Membrane Diameter	***Sterilizing:*** 0.2 µm, ***Clarification:*** 0.45 µm
Membrane Color	***Membrane color:*** White, ***Grid color:*** Black
Welded to Cup	No
Filtration Unit	Polypropylene Sterilized by Gamma Irradiation

Common Competitive Equivalents

Porosity	Diameter	Tremont Cat No.	Company	Catalog No.
0.45 µm	47 mm	MB-0027	GE/Whatman	10 497 501
			PALL MicroChek® II	4761
			Nalgene	145-0045
			Sartorius Biosart®100	16401-47-06-ACK



Packaging

Individually wrapped, sterile product ready to use right out of the package.

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Also available is a full line of high-quality, competitively priced sample preparation products for your QA/QC Laboratory.



Filters – glass microfiber, cellulose, and membranes



Extraction Thimbles



Syringe Filters

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