

Microbiological Testing Products



In the pharmaceutical and biotechnology industries, microbial analysis plays a critical role in drug development and quality control. To improve workflow efficiency and meet the demand for fast and reliable quality testing in pharmaceutical and related industries, Cobetter offers a comprehensive range of microbial testing products, including:

- Sterile gridded membrane filters
- Automatic membrane dispenser
- All-in-one sterile filter units
- Stainless steel filtration manifolds

Features

- Individually sterile packaged for ready-to-use operation and prevention of secondary contamination
- Gridded membrane enables easy colony identification and counting without affecting microbial growth
- Excellent microbial retention efficiency and recovery performance
- Supports fast and reliable quality testing requirements

Typical Applications

- **Water treatment and environmental monitoring:** Filtration of microorganisms in water or air
- **Microbiology laboratories:** Microbial culture and isolation
- **Food & beverage:** Testing and particle analysis for beer, bottled water, beverages, dairy products, and more
- **Pharmaceutical:** Drug analysis; microbial limit testing and bioburden testing of WFI, purified water, and non-sterile pharmaceutical products



Sterile MCE Gridded Membrane Filter, Individual Package

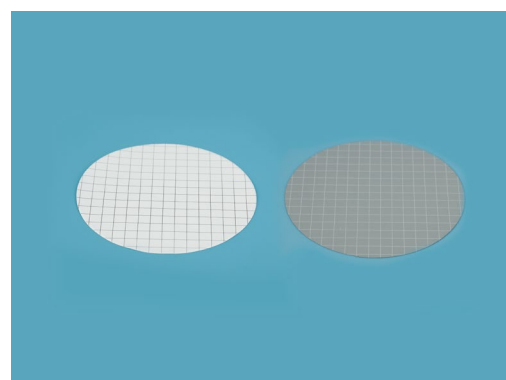
Microbiological testing membrane filters are made of mixed cellulose ester (MCE). They are available in white and black, either gridded or non-gridded, and come in individually sterile packaged or non-sterile packaged.

Features

- Individually sterile packaged, with membrane protective paper
- Fast flow rate and high throughput
- Product information printed on the packaging for easy traceability
- COA/COQ provided with shipment

Specifications

Membrane	Mixed Cellulose Ester (MCE)
Thickness	130±50 µm
Grid Interval	3 x 3 mm
Diameter	47 mm or 50 mm
Pore Size	0.22 / 0.45 µm
Porosity	>50%
pH Range	4.0 – 8.0
Max. Thermal Resistance	130°C
Bubble Point (Water)	≥300 kPa
Bacterial Retention Capacity	LRV>7
Bacterial Recovery Rate	≥80%
Sterilization Method	Gamma Irradiation, 25 kGy



Ordering Information

Part No.	Membrane	Diameter	Pore Size	Sterile	Qty/pk
MBWGM-2247S	MCE, white with black grid	47 mm	0.22 µm	Yes	100
MBWGM-4547S	MCE, white with black grid	47 mm	0.45 µm	Yes	100
MBWGM-2250S	MCE, white with black grid	50 mm	0.22 µm	Yes	100
MBWGM-4550S	MCE, white with black grid	50 mm	0.45 µm	Yes	100
MBLGM-2247S	MCE, black with white grid	47 mm	0.22 µm	Yes	100
MBLGM-4547S	MCE, black with white grid	47 mm	0.45 µm	Yes	100
MBMCE-2247S	MCE, white membrane	47 mm	0.22 µm	Yes	100
MBMCE-4547S	MCE, white membrane	47 mm	0.45 µm	Yes	100
MBMCE-2250S	MCE, white membrane	50 mm	0.22 µm	Yes	100
MBMCE-4550S	MCE, white membrane	50 mm	0.45 µm	Yes	100

Sterile MCE Gridded Membrane Filter, Dispenser-ready Package

The gridded membrane filters packed on a pleated band are designed for use with automatic membrane dispenser. The specialized design enables easy opening and secure resealing for storage.

Features

- Sterile dispenser-ready packaged, compatible with a wide range of membrane dispensers
- Fast flow rate and high throughput
- Product information printed on the packaging for easy traceability
- COA/COQ provided with shipment



Ordering Information

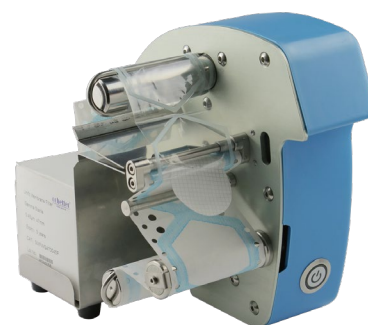
Part No.	Membrane	Diameter	Pore Size	Sterile	Qty/pk
MBWGM-2247SC	MCE, white with black grid	47 mm	0.22 µm	Yes	150
MBWGM-4547SC	MCE, white with black grid	47 mm	0.45 µm	Yes	150
MBLGM-2247SC	MCE, black with white grid	47 mm	0.22 µm	Yes	150
MBLGM-4547SC	MCE, black with white grid	47 mm	0.45 µm	Yes	150

Membrane Dispenser

Cobetter Membrane Dispenser can automatically remove the membrane by automatic infrared sensing or the touch of a button, avoiding the risk of contamination during the filter removal process. The membrane dispenser has a compact structure, small space, smooth appearance, and easy to clean.

Features

- Used with continuous-strip sterile gridded membranes, saving operation time.
- Compact overall structure, small footprint, and smooth exterior for easy cleaning.
- Quickly dispenses membranes with convenience and flexibility.



Ordering Information

Part No.	Description	Qty/pk
MD01AU	Membrane Dispenser	1

A47V Filter Unit

The A47V all-in-one filter unit is a ready-to-use filter that integrates the filter funnel, base, and gridded membrane into one piece for easy and convenient operation. It is available in 100 mL and 250 mL.



Features

- Clear graduation marks for accurate sample volume measurement
- Sterile packaging effectively reduces the risk of secondary contamination
- Ready to use right after opening

Specifications

Material	PP
Capacity	100 mL, 250 mL
Membrane	Gridded MCE, 0.22 µm or 0.45 µm
Filter Diameter	47 mm
Filtration Area	13.2 cm ²
Sterilization Method	Gamma Irradiation
Package	Individually sterile packaged, 5/box

Ordering Information

Part No.	Description	Membrane	Sterile	Qty/pk
A47V-GMC0022100	Ready-to-use filters, 100 mL	Gridded MCE, 47 mm, 0.22 µm	Yes	5
A47V-GMC0045100	Ready-to-use filters, 100 mL	Gridded MCE, 47 mm, 0.45 µm	Yes	5
A47V-GMC0022250	Ready-to-use filters, 250 mL	Gridded MCE, 47 mm, 0.22 µm	Yes	5
A47V-GMC0045250	Ready-to-use filters, 250 mL	Gridded MCE, 47 mm, 0.45 µm	Yes	5

A47U Filter Funnel

The A47U filter funnel is sterile packaged, effectively reducing the risk of secondary contamination. It is easy and convenient to operate—simply replace the funnel without the need for resterilization.



Specifications

Material	PP
Capacity	100 mL, 250 mL
Membrane	None
Filter Diameter	47 mm
Sterilization Method	Gamma Irradiation
Package	Sterile packaging, 10/bag

Ordering Information

Part No.	Description	Sterile	Qty/pk
A47U-100	100 mL Funnel	Yes	10
A47U-250	250 mL Funnel	Yes	10

S58 Filter Unit

The S58 filter unit integrates the cup, membrane, and Petri dish into one unit. After filtration, the filter cup can be removed directly, and the base converts into a Petri dish for adding culture medium and incubating. The filter cup is suitable for bioburden testing, water quality monitoring, and general microbiological analysis of beer and bottled water. Each filter cup is individually sterile-packaged and ready to use. Clear scale markings allow for accurate sample measurement.



Specifications

Material	Funnel/Base: PP
	Cap: PETG
Capacity	100 mL, 250 mL
Membrane	Gridded MCE, Gridded PVDF
Filter Diameter	Overall Length: 54.0 ± 1.0 mm
	Outer Diameter: 68.5 ± 1.0 mm
Filtration Area	13.2 cm ²
Sterilization Method	EO
Package	Sterile individually packaged, 5/box

Ordering Information

Part No.	Description	Sterile	Qty/pk
S58-PVDF0045P	100 mL filter funnel with Gridded MCE	Yes	1
S58-WGMCE0045P	100 mL filter funnel with Gridded PVDF	Yes	1

SS Manifold

Cobetter Stainless Steel Manifold is made of high-quality stainless steel and in a single material that ensures a long working life in the laboratory.



Specifications

	3 Branches	5 Branches
Material	Stainless Steel 316 L	Stainless Steel 316 L
Dimensions (L x H x W)	474 x 120 x 98 mm	924 x 120 x 98 mm
Weight	0.725 kg	1.400 kg
Sterilization	Autoclave 121°C, 30 min	Autoclave 121°C, 30 min

Ordering Information

Part No.	Description	Qty/pk
M301SS	3 branch manifold suitable for A47V, A47U consumables, interconnect	1



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