

## Built for Better Testing

### EZ-Fit® filtration units: Convenience without compromise

Microbial testing won't be a burden when you use EZ-Fit® filtration units. The sterilized, disposable filtration devices for bioburden testing streamline your workflow, save time and give you highly reliable microbial enumeration results. It is simple to do: filter your liquid sample, then transfer the membrane onto an agar plate or add liquid media from an ampoule to culture the captured organisms.



**The EZ-Fit® pink units** come with a wide range of membranes from 0.22 to 0.8 µm for maximum versatility to suit all applications. The new, patented drain design speeds up processing turbid and hard-to-filter matrices.

**The EZ-Fit® blue units** give you extra flexibility: after filtration, either transfer the membrane to an agar plate or add liquid media and convert the device into a Petri dish.

### Both EZ-Fit® filtration units types are available in different variants to suit any application:

- 100 mL or 250 mL funnels
- Black or white, gridded or plain membranes, made of mixed cellulose esters or PVDF (polyvinylidene fluoride)
- Bagged individually, in multipack of 3 units or packaged in bulk with protective bag



# Results you can count on

## Ready-to-use filtration units for microbial enumeration

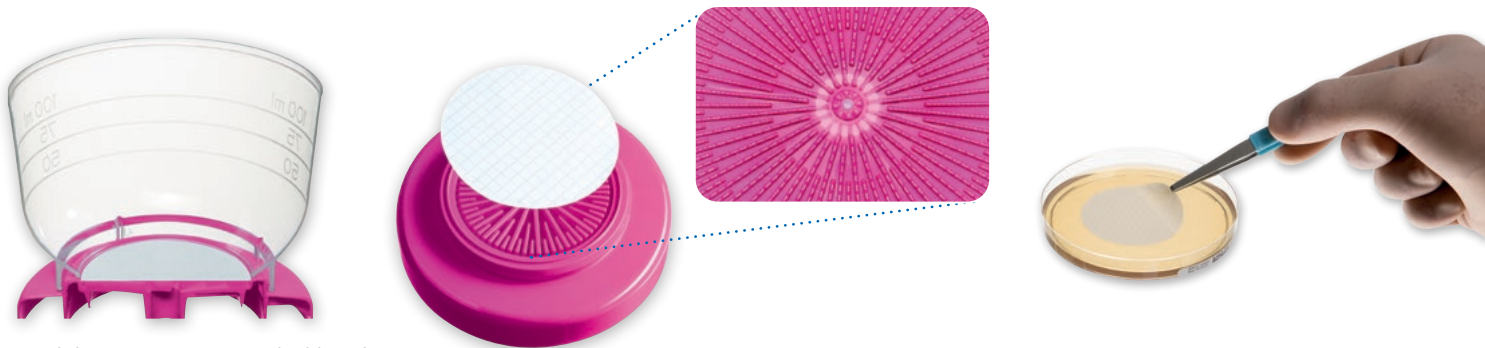


## Designed for optimal microbial recovery

The EZ-Fit® filtration unit is designed for optimal recovery. The blue and pink drain support and the funnel-to-base assembly have been optimized so that the membrane remains perfectly flat after sample filtration. When transferred to the culture medium, the whole filtration surface of the membrane stays in perfect contact with the culture media. There's no folds, so optimal microbial recovery is ensured. The funnel's shape and the properties of its hydrophobic material minimize sample residue, ensuring that the complete sample volume reaches the membrane surface.

The innovative funnel assembly design **prevents leakages and liquid sample from by-passing** the membrane.

The EZ-Fit® filtration unit **conform to international standards** (EP/USP/ISO standards) and comply with water testing regulations.

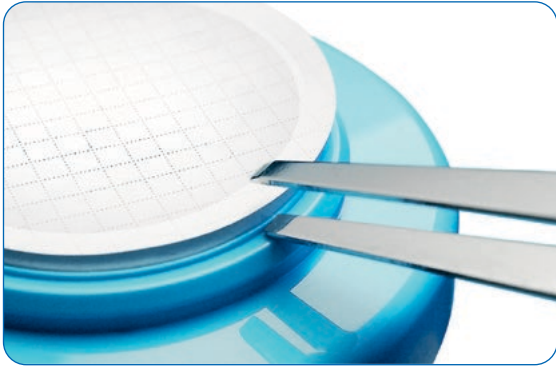


Funnel design minimizes residual liquid and prevents sample by-pass

Drain support ensures membrane shape for perfect contact with media and optimal microbial recovery

## Less risk of contamination

The filtration device you use should help to protect your sample from contamination during processing. The EZ-Fit® filtration unit's design reduces the risk of accidentally touching the membrane filtration area with the forceps during membrane transfer and allows you to filter with the lid in place.



A rim stops the forceps from coming into contact with the membrane filtration area



Vented lid on the device during filtration

Units can be stacked to save space in the work area



## Your workflow constantly in mind

We collaborated with membrane filtration users around the world and across industries to develop the EZ-Fit Azure® feature, making the EZ-Fit® filtration unit even more ergonomic and convenient.

- The **transparent funnel** allows you to see when filtration is complete from any angle.
- Thanks to all-around filling level indicators there is no need to turn the funnel when placing it on the filtration sup port.
- The shape of the membrane base makes **transferring the membrane** with the forceps easy.
- The unit's design allows the funnel to be removed with one hand.
- For larger volume samples, 250 mL funnels are the ideal choice.
- The units are **stackable**, saving space in the work area.

Convenient  
see-through funnel  
and all-around  
volume indications



# EZ-Fit® manifold

## The perfect fit

Quick-fit connections for the vacuum tubing and a low manifold level make sterile filtration more convenient than ever before. The special filtration head for fitting the EZ-Fit® filtration unit allows the funnel to be removed with only one hand. The EZ-Fit® manifold's interior is easy to access for cleaning, so you can be confident that every filtration process is contamination-free. Each component can be removed by hand and autoclaved.



One handed funnel removal



The EZ-Fit® filtration unit fits perfectly to the manifold

## Smart transformation:

### Usable with liquid media in ampoules

After the sample filtration step, the membrane is usually transferred to agar media for cultivation. Alternatively, if using blue base units, **liquid media** can be added from the top, so there is no need to transfer the membrane. Simply remove the funnel, whereby the unit converts into a **Petri dish**, ready for incubation.



Liquid media



Petri dish

## Technical specifications

<b>Material of construction</b>	Cover	Polystyrene
	Funnel	Styrene butadiene copolymer (SBC)
	Membrane	Mixed cellulose esters, PVDF
	Support pad (blue units only)	Cellulose
	Base	Acrylonitrile butadiene styrene
	Plug (Bulk blue units only)	Low-density polyethylene
<b>Dimensions</b>	Height	100 mL: 66.5 mm (2.6 in.) 250 mL: 108.5 mm (4.3 in.)
	Largest diameter	75.8 mm (3.0 in.)
	<b>Filtration surface</b>	12.56 cm <sup>2</sup>
<b>Sterilization method</b>	E-beam irradiation	

## Ordering Information

### Filtration Units

Description	Qty / pack	Packaging / Format	Cat. No.
<b>PINK base – no pad</b>			
EZ-Fit® filtration unit, white plain PVDF membrane, 0.45 µm, 100 mL	48	Single	EFHVV10IS
EZ-Fit® filtration unit, white gridded MCE membrane, 0.45 µm, 100 mL	48	Multipack of 3 units	EFHAW10MS
EZ-Fit® filtration unit, white gridded MCE membrane, 0.45 µm, 250 mL	48	Bulk with protective bag	EFHAW25BS
EZ-Fit® filtration unit, black gridded MCE membrane, 0.45 µm, 100 mL	48	Multipack of 3 units	EFHAB10MS
EZ-Fit® filtration unit, black gridded MCE membrane, 0.45 µm, 250 mL	48	Bulk with protective bag	EFHAB25BS
EZ-Fit® filtration unit, white gridded MCE membrane, 0.22 µm, 100 mL	48	Multipack of 3 units	EFGSW10MS
EZ-Fit® filtration unit, white gridded MCE membrane, 0.22 µm, 100 mL	48	Single	EFGSW10IS
EZ-Fit® filtration unit, white gridded MCE membrane, 0.8 µm, 100 mL	48	Bulk with protective bag	EFAAW10BS
EZ-Fit® filtration unit, black gridded MCE membrane, 0.8 µm, 250 mL	48	Bulk with protective bag	EFAAB25BS
EZ-Fit® filtration unit, white gridded MCE membrane, 0.22µm, 250 mL	48	Single	EFGSW25IS
EZ-Fit® filtration unit, white gridded MCE membrane, 0.45µm, 100 mL	48	Bulk with protective bag	EFHAW10BS
EZ-Fit® filtration unit, black gridded MCE membrane, 0.45 µm, 100 mL	48	Bulk with protective bag	EFHAB10BS
EZ-Fit® filtration unit, white gridded MCE membrane, 0.45 µm, 100 mL	48	Single	EFHAW10IS
<b>BLUE base – with pad</b>			
EZ-Fit® filtration unit, white gridded MCE membrane, 0.45 µm, 100 mL	48	Bulk with protective bag	EFHAW100B
EZ-Fit® filtration unit, white gridded MCE membrane, 0.45 µm, 100 mL	48	Single	EFHAW100I
EZ-Fit® filtration unit, white gridded MCE membrane, 0.45 µm, 250 mL	48	Bulk with protective bag	EFHAW250B
EZ-Fit® filtration unit, white gridded MCE membrane, 0.45 µm, 250 mL	48	Single	EFHAW250I
EZ-Fit® filtration unit, black gridded MCE membrane, 0.45 µm, 100 mL	48	Bulk with protective bag	EFHAB100B
EZ-Fit® filtration unit, black gridded MCE membrane, 0.45 µm, 100 mL	48	Single	EFHAB100I
EZ-Fit® filtration unit, black gridded MCE membrane, 0.45 µm, 250 mL	48	Single	EFHAB250I
EZ-Fit® filtration unit, white gridded MCE membrane, 0.45 µm, 100 mL	48	Multipack of 3 units	EFHAW100M3
EZ-Fit® filtration unit, black gridded MCE membrane, 0.45 µm, 100 mL	48	Multipack of 3 units	EFHAB100M3
EZ-Fit® filtration unit, white gridded MCE membrane, 0.45 µm, 100 mL, with plug	48	Single with Plug	EFHAW100IP

## Ordering Information

### Hardware and Accessories

Description	Qty / pack	Cat. No.
<b>EZ-Fit® manifold, accessories, filtration pump</b>		
EZ-Fit® manifold, 1-place for EZ-Fit® filtration units	1	EZFITSAM1
EZ-Fit® manifold, 3-place for EZ-Fit® filtration units	1	EZFITSAM3
EZ-Fit® manifold, 6-place for EZ-Fit® filtration units	1	EZFITSAM6
EZ-Fit® filtration head for EZ-Fit® filtration units	1	EZFITMHTA1
EZ-Fit®filtration head for EZ-Fit® filtration units	3	EZFITMHTA3
EZ-Fit® filtration head gasket	3	EZFITMVG3
EZ-Stream® vacuum pump for liquid transfer	1	EZSTREAM1
Silicone tubing for EZ-Stream® vacuum pump	1	STREAMTUB



## Culture Media

Please visit our website for the complete list of items

Description	Format	Qty/ pack	Cat. No.
<b>Dehydrated media</b>			
Tryptic Soy agar acc. EP, USP, JP, ISO and FDA-BAM	Granulated media	500 g	1.05458.0500
SABOURAUD 4% Dextrose Agar acc. harmonised EP/USP/JP	Granulated media	500 g	1.05438.0500
Potato Dextrose Agar	Granulated media	500 g	1.10130.0500
Plate Count Agar acc. ISO 4833, ISO 17410 and FDA-BAM	Granulated media	500 g	1.05463.0500
Chromocult® Coliform Agar acc. ISO 9308	Granulated media	500 g	1.10426.0500
YGC (Yeast extract Glucose Chloramphenicol) agar FIL-IDF	Granulated media	500 g	1.16000.0500
SLANETZ and BARTLEY Agar incl TTC acc. ISO 7899	Granulated media	500 g	1.05262.0500
Pseudomonas CFC/CN Agar acc. ISO 13270 and ISO 16266	Granulated media	500 g	1.07620.0500
Lactose TTC Agar with Tergitol® 7	Granulated media	500 g	1.07680.0500
TSC (Tryptose Sulfite Cycloserine) Agar (base) acc. ISO 7937 and ISO 14189	Granulated media	500 g	1.11972.0500
MacConkey agar acc. ISO 21150, ISO 21567, FDA-BAM and EP, USP, JP	Granulated media	500 g	1.00205.0500
Mannitol salt phenol-red agar for microbiology (According harm. EP/USP/JP)	Granulated media	500 g	1.05404.0500
R2A Agar	Powdered media	500 g	1.00416.0500
VRBD (Violet Red bile Dextrose )agar acc. EP, USP, JP and ISO 21528 GranuCult®	Granulated media	500 g	1.10275.0500
<b>Ready-to-use agar plates</b>			
Cetrimide Agar	90 mm plates	20	1.46048.0020
Cetrimide Agar	90 mm plates	120	1.46048.0120
MacConkey Agar	90 mm plates	20	1.46022.0020
MacConkey Agar	90 mm plates	120	1.46022.0120
Mannitol Salt Agar	90 mm plates	20	1.46023.0020
Mannitol Salt Agar	90 mm plates	120	1.46023.0120
R2A Agar	90 mm plates	20	1.46075.0020
R2A Agar	90 mm plates	120	1.46075.0120
Sabouraud Dextrose Agar	90 mm plates	20	1.46028.0020
Sabouraud Dextrose Agar	90 mm plates	120	1.46028.0120
Tryptic Soy Agar	90 mm plates	20	1.46004.0020
Tryptic Soy Agar	90 mm plates	120	1.46004.0120
VRBD Agar	90 mm plates	20	1.46000.0020
VRBD Agar	90 mm plates	120	1.46000.0120
ReadyPlate™ 55 CCA ISO 9308	55 mm plates	20	1.46757.0020
ReadyPlate™ 55 CCA ISO 9308	55 mm plates	200	1.46757.0200
ReadyPlate™ 55 Slanetz and Bartley ISO 7899	55 mm plates	20	1.46765.0020
ReadyPlate™ 55 CN Agar ISO 16266	55 mm plates	20	1.46767.0020
ReadyPlate™ 55 TGE Agar	55 mm plates	20	1.46761.0020
ReadyPlate™ 55 Plate Count Agar	55 mm plates	20	1.46763.0020
ReadyPlate™ 55 m-Green Agar	55 mm plates	20	1.46769.0020



Description	Format	Qty/ pack	Cat. No.
<b>Ready-to-use 2 mL single test liquid media in plastic ampoules</b>			
m-Green Yeast and Mold Broth	2 mL	50	MHA000P2M
m-FC Broth with Rosolic Acid	2 mL	50	MHA000P2F
m-Endo Total Coliform Broth	2 mL	50	MHA000P2E
Tryptone Glucose Extract Broth (TGE)	2 mL	50	MHA000P2T
m-ColiBlue24® Broth for Total coliforms and E coli detection	2 mL	50	M00PMCB24
m-HPC Broth	2 mL	50	MHA000P2S
Triptic Soybean Broth (TSB)	2 mL	50	MHA000T2B
Tryptone Glucose Extract Broth with TTC	2 mL	50	MHA000P2TT
Preservative Resistant Yeast Broth	2 mL	50	MHA000PRY2
Yeast and Mold Liquid Media Ampoule	2 mL	50	MHA000P2M
M-COLIBLUE - COLIFORM DETECTION MEDIUM	2 mL	50	M00PMCB24
M-FC Fecal Coliform Liquid Media Ampoule	2 mL	50	MHA000P2F
Tryptone Glucose Extract Broth - Ampoule	2 mL	50	MHA000P2T
M-Endo Liquid Media Ampoule	2 mL	50	MHA000P2E
TGE with Indicator	2 mL	50	MHA000P2TT
Wallerstein Nutr. Liquid Media Ampoule	2 mL	50	MHA000P2N
HPC/SPC Liquid Media Ampoule	2 mL	50	MHA000P2S
SOYBEAN CASEIN DIGEST BROTH	2 mL	50	MHA000T2B
Pseudomonas Liquid Media Ampoule	2 mL	50	MHA000P2P
Yeast Selective Liquid Media Ampoule W/chloramphenicol	2 mL	50	MHA000P2SM
Preservative Yeast Media Ampoule	2 mL	50	MHA000PRY2
Brettanomyces Medium Liquid Media Ampoule	2 mL	50	MHA000BSM2
Orange Serum Liquid Media Ampoule	2 mL	50	MHA000P20
M-FC Fecal Coliform Liquid Media Ampoule w/o rosolic acid	2 mL	50	MHA000FCR2
MRS liquid media ampoule	2 mL	50	MHA000MRS2
Wallerstein Liquid Media Ampoule	2 mL	50	MHA000P2D



## [SigmaAldrich.com/microbial-filtration](https://sigmaaldrich.com/microbial-filtration)

Merck KGaA  
Frankfurter Strasse 250  
64293 Darmstadt, Germany

## To place an order or receive technical assistance

Order/Customer Service: [SigmaAldrich.com/order](https://sigmaaldrich.com/order)  
 Technical Service: [SigmaAldrich.com/techservice](https://sigmaaldrich.com/techservice)  
 Safety-related Information: [SigmaAldrich.com/safetycenter](https://sigmaaldrich.com/safetycenter)

[SigmaAldrich.com](https://sigmaaldrich.com)

