User Guide

EZ-Fit® Filtration Unit

DOMINIQUE DUTSCHER SAS



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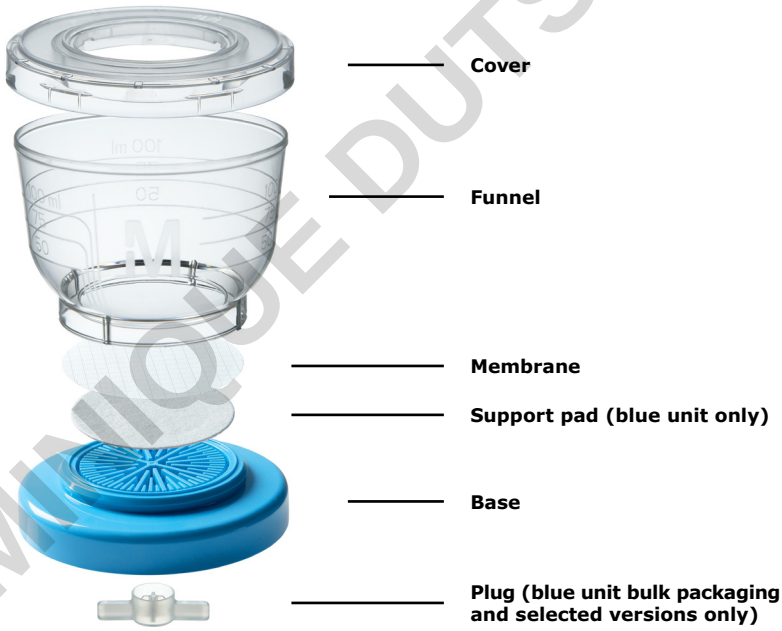
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Introduction

The EZ-Fit® Filtration Unit is a disposable filtration device for bioburden testing of liquid samples like water, process samples, or final products. It is designed for optimizing and securing the laboratory workflow to provide time-saving and reliable microbiological results. After the filtration of the sample, the membrane can be transferred and cultured on an agar plate. Alternately, on the blue unit only, liquid media can be added after the filtration, and the device converts into a Petri dish.

This disposable device is designed to fit onto the EZ-Fit® Manifold, which features specific EZ-Fit® Filtration heads. It can also fit onto a standard #8 stopper.

The EZ-Fit® filtration device consists of:



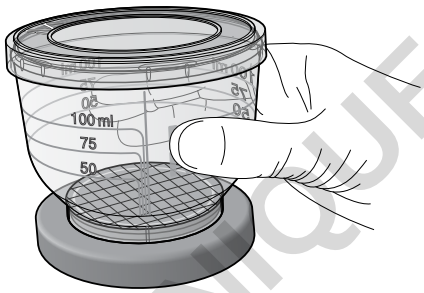
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Specifications

Materials of construction	Cover	Polystyrene
	Funnel	Styrene butadiene copolymer
	Membrane	Mixed cellulose esters, PVDF
	Support pad (blue unit versions only)	Cellulose
	Base	Acrilonitrile butadiene styrene
	Plug (blue unit in bulk packaging & selected versions only)	Low-density polyethylene
Dimensions	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.)
Filtration surface	12.56 cm^2	
Sterilization method	Electron beam	
Storage conditions	Store in a cool and dry place	
Maximum temperature of the sample	45 °C	

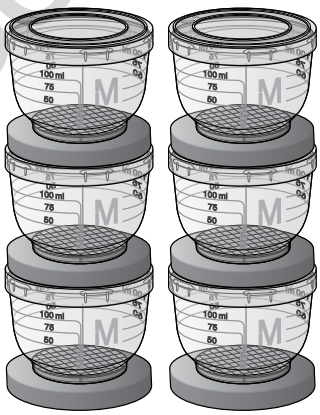
Filtration

1. Remove the device from the packaging by grasping the funnel.

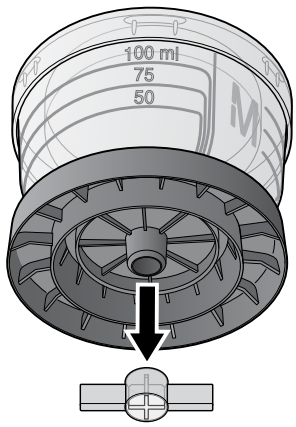


CAUTION: Grasping the cover could result in removing the cover from the funnel.

NOTE: The devices can be stacked.



2. Remove the plug from the bottom of the base (blue unit bulk packaging & selected versions only).

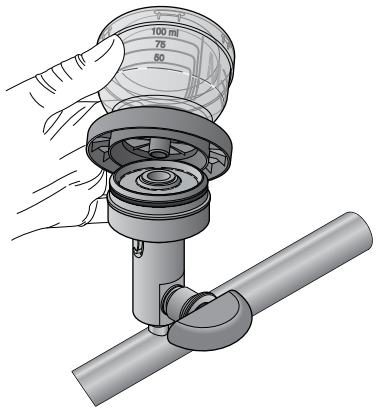


NOTE: When culturing using ampoule liquid media, do not discard the plug as it will be used during incubation step.

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Culturing

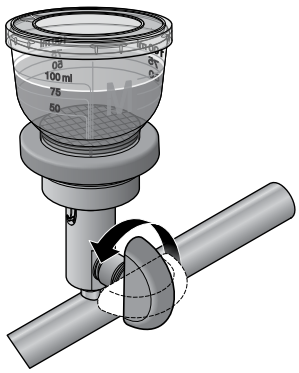
3. Place the device onto the filtration head of the EZ-Fit® Manifold.



4. Remove the cover and pour the sample into the funnel.

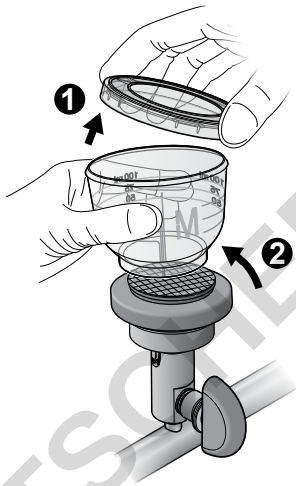


5. Replace the cover.
6. Turn the knob to the upright position to apply vacuum to perform filtration.

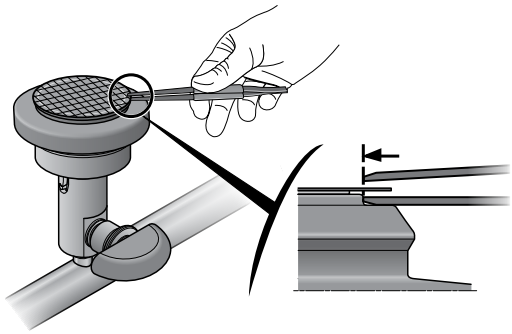


Solid Culture Media

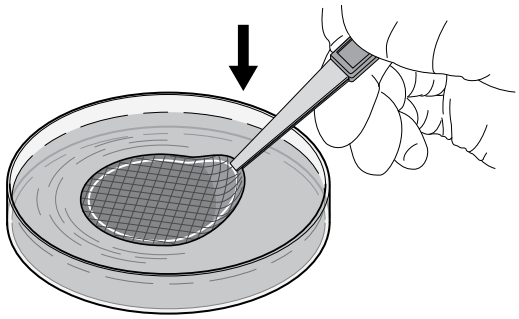
1. Remove the cover from the funnel.
2. Slightly pinch the funnel and remove it as shown here:



3. Turn the knob to the horizontal position to close the vacuum.
4. Remove the membrane using forceps.

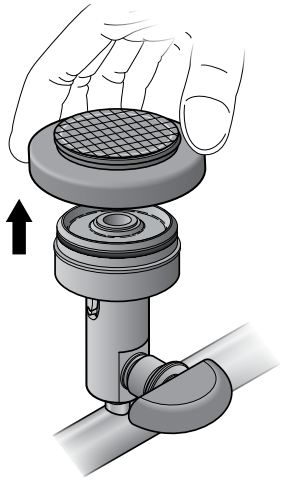


5. Place the membrane into a solid medium.



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6. Remove the base from the filtration head as shown here:



Ampoule Liquid Media

(blue units bulk packaging versions only)

1. Turn the knob to the horizontal position to stop the vacuum.
2. Remove the cover and pour the liquid medium evenly onto the membrane.



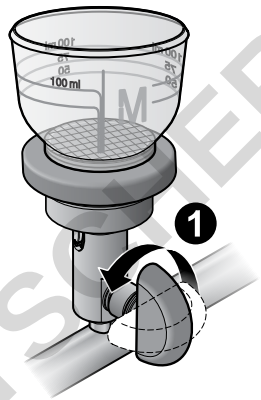
3. Quickly perform the following operations:

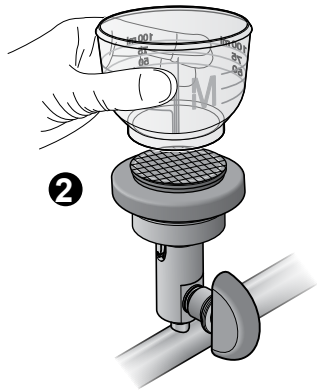
❶ Turn the knob to the vertical position.

❷ Slightly pinch the funnel and remove it.

❸ Place the cover onto the base.

❹ Return the knob to the horizontal position to stop the vacuum.

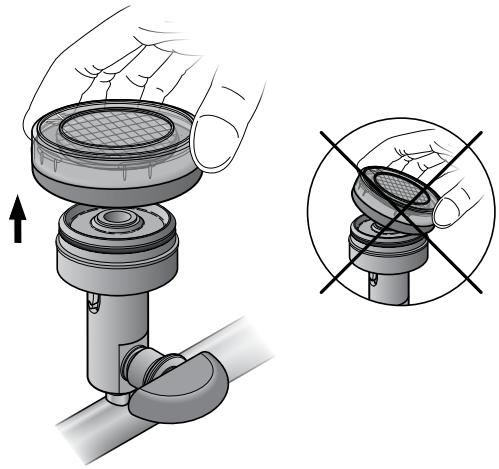




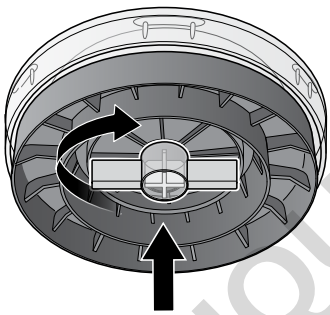


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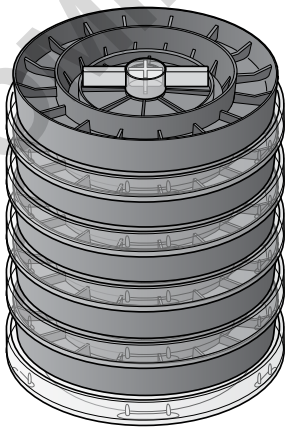
4. Remove the base from the filtration head as shown here:



5. Replace the plug and twist it onto the support.



NOTE: The devices can be stacked in the incubator.



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Discarding the product

Refer to the materials of construction of the device for proper disposal/recycling of each component.

NOTE: The funnels can be stacked to reduce waste volume.

Ordering Information

	Description	Packaging/Format	Qty per pack	Catalogue Number
PINK base—no pad	EZ-Fit® Filtration Unit, white plain PVDF membrane, 0.45 µm, 100 mL	Single	48	EFHVW10IS
	EZ-Fit® Filtration Unit, white gridded MCE membrane, 0.45 µm, 100 mL	Single		EFHAW10IS
	EZ-Fit® Filtration Unit, white gridded MCE membrane, 0.45 µm, 100 mL	Multipack of 3 units		EFHAW10MS
	EZ-Fit® Filtration Unit, white gridded MCE membrane, 0.45 µm, 100 mL	Bulk with protective bag		EFHAW10BS
	EZ-Fit® Filtration Unit, white gridded MCE membrane, 0.45 µm, 250 mL	Bulk with protective bag		EFHAW25BS
	EZ-Fit® Filtration Unit, black gridded MCE membrane, 0.45 µm, 100 mL	Multipack of 3 units		EFHAB10MS
	EZ-Fit® Filtration Unit, black gridded MCE membrane, 0.45 µm, 100 mL	Bulk with protective bag		EFHAB10BS
	EZ-Fit® Filtration Unit, black gridded MCE membrane, 0.45 µm, 250 mL	Bulk with protective bag		EFHAB25BS
	EZ-Fit® Filtration Unit, white gridded MCE membrane, 0.22 µm, 100 mL	Multipack of 3 units		EFGSW10MS
	EZ-Fit® Filtration Unit, white gridded MCE membrane, 0.22 µm, 100 mL	Single		EFGSW10IS
	EZ-Fit® Filtration Unit, white gridded MCE membrane, 0.22 µm, 250 mL	Single		EFGSW25IS
BLUE base—with pad	EZ-Fit® Filtration Unit, white gridded MCE membrane, 0.45 µm, 100 mL	Bulk with protective bag		EFHAW100B
	EZ-Fit® Filtration Unit, white gridded MCE membrane, 0.45 µm, 100 mL	Single		EFHAW100I
	EZ-Fit® Filtration Unit, white gridded MCE membrane, 0.45 µm, 100 mL	Single with plug		EFHAW100IP
	EZ-Fit® Filtration Unit, white gridded MCE membrane, 0.45 µm, 100 mL	Multipack of 3 units		EFHAW100M3
	EZ-Fit® Filtration Unit, white gridded MCE membrane, 0.45 µm, 250 mL	Bulk with protective bag		EFHAW250B
	EZ-Fit® Filtration Unit, white gridded MCE membrane, 0.45 µm, 250 mL	Single		EFHAW250I
	EZ-Fit® Filtration Unit, black gridded MCE membrane, 0.45 µm, 100 mL	Bulk with protective bag		EFHAB100B
	EZ-Fit® Filtration Unit, black gridded MCE membrane, 0.45 µm, 100 mL	Single		EFHAB100I
	EZ-Fit® Filtration Unit, black gridded MCE membrane, 0.45 µm, 100 mL	Multipack of 3		EFHAB100M3
	EZ-Fit® Manifold, 1-place for EZ-Fit® Filtration Units		1	EZFITEFUN1
	EZ-Fit® Manifold, 3-place for EZ-Fit® Filtration Units			EZFITEFUN3
	EZ-Fit® Manifold, 6-place for EZ-Fit® Filtration Units			EZFITEFUN6
	EZ-Fit® filtration head for EZ-Fit® Filtration Units			EZFITMVHE1
	EZ-Fit® filtration head for EZ-Fit® Filtration Units		3	EZFITMVHE3

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