

EZ-Pak® Dispenser Curve

The next generation membrane dispenser

Benefits

- High-speed sterile membrane dispensing
- No-touch operation
- One-handed membrane transfer



The next generation membrane dispenser: fast, robust, no-touch dispensing

Robustness

Components selected for durability and high-throughput dispensing.

Easy membrane loading

New design with cover allows you to load a cartridge in less than 30 seconds. Membrane is **consistently well-positioned** for easy transfer with forceps.

Easy decontamination

The smooth **shape** facilitates cleaning. The plastic material is compatible with a large range of disinfection agents.

Easy handling

Lightweight and **portable**. It can be easily moved between lab benches.

Industrial infrared sensor

No need to press a lever, the durable motor will dispense one membrane in less than **one second**.

No touch detection

Move your hand toward the sensor – no touch necessary – and a membrane is unwrapped, dispensed and automatically positioned for transfer with forceps. Software controls prevent the accidental dispensing of multiple membranes.

Cableless

The dispenser can work with or without connection to a power outlet. When the **Lithium ion battery** is fully charged, more than 10,000 membranes can be dispensed. After 10 minutes idle time, a standby mode is activated to save energy.



EZ-Pak® Dispenser Curve: fast and easy membrane loading



Step 1
Open cover and insert the cartridge.



Step 2
Pull the roll out until the first membrane is visible, then cover.



Step 3
Attach upper and lower packaging layers to the spools.



Step 4
Switch on, and the first membrane is dispensed when the sensor is activated.

EZ-Pak® Membranes for use with EZ-Pak® Dispenser Curve

High throughput

Each cartridge contains 150 membranes. Less frequent reloading saves time.

Visible traceability

The membrane catalog number, lot number, pore size and sequential number (from 150 to 1) are printed on the protective film of every membrane cell.

Wide variety of membranes covering many applications

- From 0.2 µm to 0.8 µm pore size
- Diameters of 47 mm
- White, black and green

Detailed Certificate of Quality

Pore size, flow rate, extractables, retention, recovery and sterility are tested and listed on the Certificate Of Quality.

Meets regulatory guidelines including:

United States

- Standard Methods for the Examination of Water and Wastewater 22 edition, 2012

Europe

- EEC Directive 2009/54/EC of the European Parliament and of the council of 18th June 2009
- EEC Directive 98/83/EC, 3 November 1998, relating to the quality of water intended for human consumption and the amended version 2015/1787/EC.

Worldwide

WHO Guidelines for Drinking Water Quality, 2017

ISO® Regulations

ISO® 8199:2005: Water Quality

Water quality – General guidance on the numeration of microorganisms by culture



ISO® 7899-2:2000: Water Quality

Detection and enumeration of intestinal Enterococci – Part 2: Membrane filtration method

ISO® 9308-1: 2014: Water Quality

Enumeration of *Escherichia coli* and coliform bacteria - Part 1: Membrane filtration method for waters with low bacterial background flora

ISO® 19250: 2010: Water Quality

Detection of *Salmonella spp.*

ISO® 6461-2:1986: Water Quality

Detection and enumeration of the spores of sulfite-reducing anaerobes (Clostridia); Part 2: Method by membrane filtration

ISO® Regulations (continued)

ISO® 7704:1985: Water Quality

Evaluation of membrane filters used for microbiological analyses

ISO® 16266: 2006: Water Quality

Detection and enumeration of *Pseudomonas aeruginosa* by membrane filtration

ISO® 14189: 2013: Water Quality

Enumeration of *Clostridium Perfringens* – Method using membrane filtration

ISO® 17995 : 2005 Water Quality

Detection and enumeration of thermotolerant *Campylobacter* species

Filtration made simple

For the ultimate in convenience and efficiency, combine the EZ-Pak® system with the Microfil® Filtration System. The Microfil® System includes ready-to-use, sterile filtration funnels and a unique filtration support to facilitate sample processing. No preparation steps are required.

All you need to do is ...



Step 1

Move your hand over the sensor.



Step 2

Take the sterile membrane with your forceps.



Step 3

Place the membrane on the EZ-Fit® Manifold.



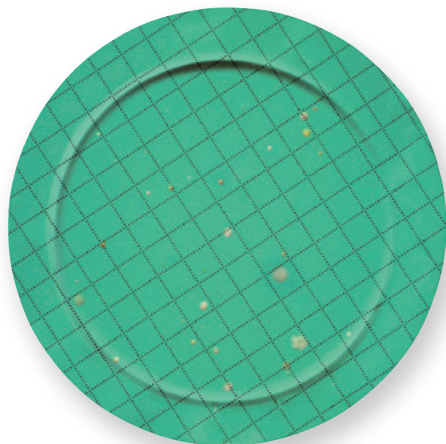
Step 4

Easily remove the membrane after filtration.

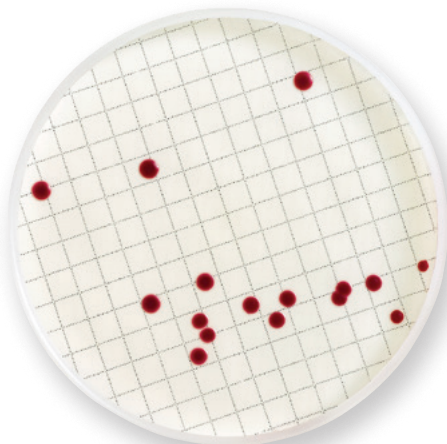
There is an EZ-Pak® Membrane for every application

	Applications	Examination of	Diameter
Green membranes	Bacteria in bottled water, beer	Clear, translucent colonies	47 mm Diameter
White membranes	General purpose	All microorganisms	47 mm Diameter
Black membranes	Analysis of yeast and mold and Legionella sp.	White, beige colonies	47 mm Diameter

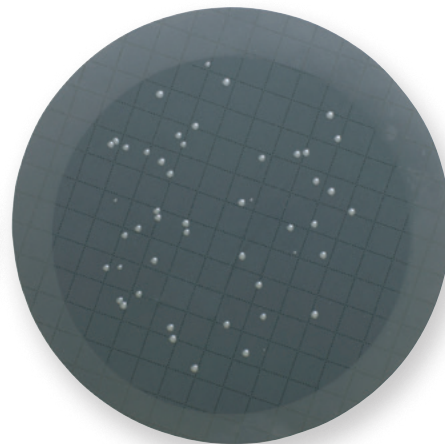
Green membranes



White membranes



Black membranes



Technical Specifications

EZ-Pak® Dispenser Curve Specifications

Housing material	Glass Bead Reinforced Polyamide 6
Roller material	PolyOxyMethylene (POM)
Dimensions (W*L*H) in cm	18 x 31 x 16.5
Weight	2.1 kg(See UG)
Battery	24 V Rechargeable Lithium-ion Battery Pack
Electrical norms compliance	<ul style="list-style-type: none"> • 2014/30/EU relating to Electromagnetic compatibility • 2014/35/EU relating to electrical equipment designed for use within certain voltage limits • 2011/65/UE EU Restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) • PSE <p>Standards to which conformity is declared as applicable are the following:</p> <ul style="list-style-type: none"> • IEC61326-1 (Ed. 2) Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: general requirements • IEC 61010-1 (Ed. 3.1) Safety requirements for electrical equipment for measurement, control and laboratory use.
Ingress protection	IP42 - IEC 60529-2004 : Ingress protection

Ordering Information

Description	Qty/Pk	Cat. No.
EZ-Pak® Membrane Dispenser		
EZ-Pak® Membrane Dispenser Curve	1	EZCURVE01

Spare Parts

Description	Qty/Pk	Cat. No.
Rechargeable lithium-ion battery 1 EZCURVBAT	1	EZCURVE01
External power supply/charger for battery-powered dispenser	1	EZCURVCHA
Spools clips	2	EZCURVCLI
Milliflex® Rapid Power Supply—AU	1	MXRPWRSPAU
Milliflex® Rapid Power Supply—BR	1	MXRPWRSPBR
Milliflex® Rapid Power Supply—CN	1	MXRPWRSPCN
Milliflex® Rapid Power Supply—DK	1	MXRPWRSPDK
Milliflex® Rapid Power Supply—EU	1	MXRPWRSP EU
Milliflex® Rapid Power Supply—IN	1	MXRPWRSPIN
Milliflex® Rapid Power Supply—JP	1	MXRPWRSPJP
Milliflex® Rapid Power Supply—SZ	1	MXRPWRSPSZ
Milliflex® Rapid Power Supply—UK	1	MXRPWRSPUK
Milliflex® Rapid Power Supply—US	1	MXRPWRSPUS
Milliflex® Rapid Power Supply—ZA	1	MXRPWRSPZA

EZ-Pak® Membranes, gridded				
Filter color	Pore size (µm)	Filter diameter (mm)	Qty/Pk	Cat. No.
White	0.22	47	4 bands x 150 filters	EZGSWG474
White	0.45	47	4 bands x 150 filters	EZHAWG474
White	0.7	47	4 bands x 150 filters	EZHCWG474
White	0.8	47	4 bands x 150 filters	EZAAWG474
Green	0.45	47	4 bands x 150 filters	EZHAGG474
Black	0.45	47	4 bands x 150 filters	MSPO00814
Black	0.8	47	4 bands x 150 filters	EZAABG474

EZ-Pak® Membranes and Microfil® Funnels				
150 sterilized, gridded membranes with 150 sterilized funnels				
Filter color	Pore size (µm)	Filter diameter (mm)	Funnel size	Cat. No.
White	0.22	47	100 mL funnels	MZGSWG101
White	0.45	47	100 mL funnels	MZHAWG101
White	0.8	47	100 mL funnels	MZAAWG101
Black	0.45	47	100 mL funnels	MZHABG101
Black	0.8	47	100 mL funnels	MZAABG101
White	0.45	47	250 mL funnels	MZHAWG251
White	0.8	47	250 mL funnels	MZAAWG251
Black	0.45	47	250 mL funnels	MZHABG251

Related products	Cat. No.
EZ-Stream® Vacuum Pump for liquid transfer	EZSTREAM1
EZ-Fit® Manifold 3-place for Microfil®	EZFITMIC03
EZ-Fit® Manifold 1-place for Microfil®	EZFITMIC01



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