

Sterile filtration

LifeASSURE PDA filters

Sterilizing grade and Mycoplasma reduction filters

Thermo Scientific™ LifeASSURE™ PDA Filter Capsules and Cartridges are single-use products for the control of microorganisms. LifeASSURE PDA filter capsules and cartridges are designed to be consistent with the U.S. FDA's Guidance for Industry: Sterile Drug Products Produced by Aseptic Processing. The PDA020 sterilizing grade filters are absolute 0.2 micron rated for bioburden reduction. The PDA010 filters are absolute 0.1 micron rated and help control mycoplasma contamination in bioprocessing fluid streams.

LifeASSURE PDA filter capsules and cartridges contain two layers of polyethersulfone (PES) membrane.

The PES membranes are pleated with layers of polypropylene support upstream and downstream, providing structural support and promoting flow. Capsule products are available in gamma compatible and sterile formats.



Refer to the latest versions of the Thermo Scientific™ LifeASSURE™ PDA Filter Capsules and the Thermo Scientific™ LifeASSURE™ PDA Filter Cartridges validation guides for further information.

Product description

Thermo Scientific™ LifeASSURE™ PDA Filter Capsule ordering guide

Grade designation	Configuration	Height (inches)	End modification	Vent O-ring option	Sterilization	Package quantity
PDA010 - 0.1 µm	C - Small capsules	01 - 2.5 in 02 - 5.0 in	A - 1.5-inch sanitary fitting B - 0.5-inch hose barb	A - Silicone	G - Gamma compatible	1 - 1 Pack
PDA020 - 0.2 µm	J - Large capsules	01 - 10 in 02 - 20 in 03 - 30 in	A - 1.5-inch sanitary fitting		S - Sterile	

Example: PDA010J02AAS1

Thermo Scientific™ LifeASSURE™ PDA Filter Cartridge ordering guide

Grade designation	Configuration	Length (inches)	End modification	O-ring option
PDA010 - 0.1 µm	W - Standard (W-configuration only available in 10-inch to 30-inch lengths and 0.2 µm grade.)	50 - 5.0 in 01 - 10 in 02 - 20 in 03 - 30 in 04 - 40 in	B - 226 O-ring & spear C - 222 O-ring & spear F - 222 O-ring & flat cap J - 226 O-ring & flat cap	A - Silicone C - EPR
PDA020 - 0.2 µm	F - High area			

Example: PDA010F02BA

All product configurations may not be commercially available in all areas.

Type	Effective filtration area (EFA)	PDA010 (0.1 µm)	PDA020 (0.2 µm)
25 mm disc filter	3.5 cm ²	Yes	Yes
47 mm disc filter	14.5 cm ²	Yes	Yes
2.5-inch capsule	0.12 m ²	Yes	Yes
5-inch capsule	0.26 m ²	Yes	Yes
5-inch cartridge (F type)	0.35 m ²	Yes	Yes
10-inch cartridge or capsule (F or J type)	0.78 m ²	Yes	Yes
10-inch cartridge (W type)	0.56 m ²	–	Yes
20-inch cartridge or capsule (F or J type)	1.56 m ²	Yes	Yes
20-inch cartridge (W type)	1.13 m ²	–	Yes
30-inch cartridge or capsule (F or J type)	2.34 m ²	Yes	Yes
30-inch cartridge (W type)	1.69 m ²	–	Yes
40-inch cartridge (F type)	3.12 m ²	Yes	Yes

Intended Use: Single-use filter products are intended for use in biopharmaceutical processing applications of aqueous based pharmaceuticals (drugs) and vaccines in accordance with the product instructions and specifications, and cGMP requirements, where applicable.

Since there are many factors that can affect a product's use, the customer and user remain responsible for determining whether the Thermo Scientific product is suitable and appropriate for the user's specific application, including user conducting an appropriate risk assessment and evaluating the Thermo Scientific product in user's application.

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