

MEMBRANE SOLUTIONS

SteriBell 50™ PES | SteriBell 50™ PES Plus

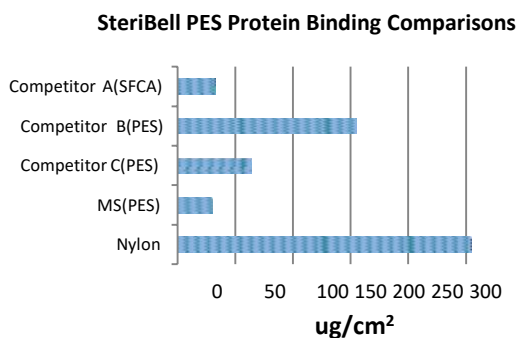
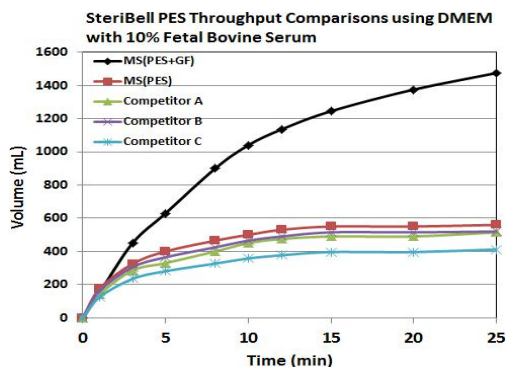


Description

MS SteriBell 50™ PES devices offer a convenient and efficient way to sterile filter small volumes using a peristaltic pump, syringe filter or other pressurized source. It is ideal for aqueous solutions, especially where low protein binding is required. Because of its broad pH range compatibility, it is suitable for many acids and bases. Also suitable for scale-up studies. Available with glass fiber prefilter.

Features & Benefits

- Superior flow rates compared to most competitive products - offers reduced filtration times.
- Optional glass fiber prefilter layer offers superior throughput for difficult to filter solutions, buffers, media and serums - fewer changeouts and fewer devices required.
- Sterile Filtration - eliminates the need for post-filtration sterilization.
- Integrity testable - to ensure sterility.
- Can be used as an inline or POU filter - offers convenient use.
- Available with detachable filling bell - helps prevent splashing and contamination.
- Tapered hose barb accepts different tubing sizes - offers connection flexibility.
- Pre-sterilized by gamma irradiation - eliminates contamination associated with EtO.
- Sterile packaged - eliminates pre-sterilization.
- Disposable - offers convenience versus replacing discs in discs holders.
- pH range: 1-12



USA

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Specifications

	SteriBell 50™ PES	SteriBell 50™ PES Plus
Housing	Polypropylene	Polypropylene
Filling bell	Polycarbonate bell with polypropylene cap	Polycarbonate bell with polypropylene cap
Membrane	PES	Glass fiber prefilter+PES
Housing OD	64 mm	64 mm
Pore size	0.2 µm	0.2 µm
Filtration area	20 cm ²	20 cm ²
Pre-sterilized by	Gamma irradiation	Gamma irradiation
Typical Sample Volume	Up to 5L	Up to 5L
Water Flow Rate	400 mL/min with water at 14.5 psi (1 bar)	400 mL/min with water at 14.5 psi (1 bar)
Typical Hold-Up Volume (with 10 psi air purge)	≤ 1.0 mL	≤ 1.5 mL
Recommended inlet pressure	≤ 43.5 psi (3.0 bar)	≤ 43.5 psi (3.0 bar)
Burst pressure	73 psi (5.0 bar)	73 psi (5.0 bar)
Bubble point	≥ 46.4 psi (3.2 bar)	≥ 46.4 psi (3.2 bar)
Connections	1/4-1/2" (7-13mm) stepped hose barb. Inlet will accept male luer slip tip. Outlet comes with detachable filling bell and cap	
Endotoxin Level	< 0.25 EU/mL	< 0.25 EU/mL
Protein adsorption	No detectable loss of protein (Filtration of BSA)	<80 µg/cm ² (Filtration of BSA)
Bacterial Retention	>10 ⁷ CFU/cm ² of <i>B. diminuta</i>	>10 ⁷ CFU/cm ² of <i>B. diminuta</i>
Biosafety	USP Class VI Plastics Test	USP Class VI Plastics Test

Ordering Information

Part Number	Pore Size	Membrane	Connectors I/O	Qty/Box	Pre-Sterilized
SUPES050022SB*	0.2 µm	PES	1/4-1/2" (7-13mm) stepped HB	10	Yes
SUPES050022SGB*	0.2 µm	GF+PES	1/4-1/2" (7-13mm) stepped HB	10	Yes
SUPES050045SB	0.45 µm	PES	1/4-1/2" (7-13mm) stepped HB	10	Yes
SUPES050022NB	0.2 µm	PES	1/4-1/2" (7-13mm) stepped HB	10	No
SUPES050045NB	0.45 µm	PES	1/4-1/2" (7-13mm) stepped HB	10	No

* S=Sterile; B=Filling bell; G=Glass Fiber prefilter .

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