

MDI 0.1 µm AseptiCap WS-γ are low protein binding hydrophilic PVDF membrane capsule filters, validated to retain mycoplasma, a critical requirement for sterilization of mammalian cell culture media.

These capsules offer serial filtration incorporating a larger pore size upstream membrane to protect the downstream membrane for enhanced throughput.

0.1 µm AseptiCap WS-γ capsule filters are validated to meet compendia and regulatory requirements and are well characterized. They meet key process requirements such as absolute retention efficiency, extremely low extractables, high throughputs, wide chemical compatibility and other important characteristics.

Key features

- Absolute retention
- 100% integrity tested
- Low protein binding
- Low extractables
- Very low hold up volume in filters

Applications

Sterile Filtration of

- Cell culture media
- Growth regulators
- Small Volume Parenterals

Ordering Information

Type	Size		Pore Size		Inlet/Outlet		Radiation Sterilizable		X	Sterility		Pack Size		
	Code	Length and EFA	Code	Code	Code	Code	Code	Code		Code	Code	Code		
AseptiCap WS (with 0.45µm Upstream)	DWSX	1" (100 cm ²)	31	0.1µm	36	¼" SHB	A	Yes	R		Non-Sterile	1	1	01
		1" (250 cm ²)	51			½" Hose Barb	D	No****	X		Gamma Sterile	3		
AseptiCap WS (with 0.2µm Upstream)	DWS1	2" (500 cm ²)	52			1½" Sanitary Flange	E							
		5" (1000 cm ²)	53			¾" Sanitary Flange	S							
		8" (2000 cm ²)	57			Quick Connector	J							
						Single Step ½" Hose Barb*	Q							
						Female Luer Lock	U	* Single step ½" hose barb and 3/8" hose barb end connections are not available in 1" Capsule filter						
						Male Luer Slip**	W	**Male luer slip end connection is available as outlet only in 1" capsule filters						
						3/16" Hose Barb***	N	***3/16" hose barb end connection is available in: - 1" and 2" capsule filters as inlet and outlet - 5" as outlet only						
						3/8" Hose Barb*	I	****Gamma sterile capsule filters cannot be gamma irradiated again						
Example														
DWSX		53		36		QQ		R	X		1			01

For Non-Sterile: DWSX5336QQRX101

For Gamma Sterile: DWSX5336QQXX301

DST DWSX36R1620C



Specifications

Materials of Construction

Membrane	Hydrophilic PVDF
Plastic Components	Polypropylene

Microbial Retention

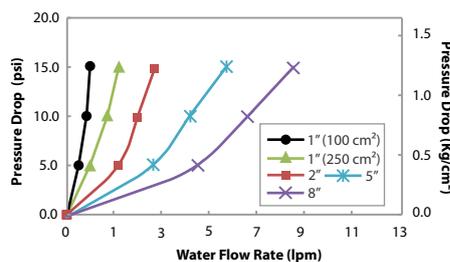
LRV >7 for *Acholeplasma laidlawii* (ATCC 23206) per cm²

Bubble Point with 50% IPA/Water
≥31psi

Maximum Operating Temperature
80 °C @ ≤30 psi (2 Kg/cm²)

Maximum Differential Pressure
60 psi (4 Kg/cm²) @ 30 °C

Typical Water Flow Rates



Sterilization

By Irradiation: Gamma irradiatable up to 50 kGy

By Autoclave: Autoclavable at 125°C for 30 minutes, 1 cycle after gamma irradiation. Can not be in-line steam sterilized

Toxicity

Passes Bioreactivity test, In Vivo, as per USP <88> for Class VI plastics

Cytotoxicity

Passes Biological Reactivity Tests, In Vitro, USP <87> for cytotoxicity

Bacterial Endotoxin

Aqueous extracts exhibit < 0.25 EU/ml as established by Limulus Amebocyte Lysate (LAL) Test as per USP <85>

Fiber Release

Passes test as per USP and comply with USFDA 21 CFR Part 210.3(b)(6) for fiber release

Particle Release:

The filtrate complies with USP <788> test for particulate matter in injections

TOC and Conductivity

Meets the WFI requirements of USP for TOC <643> and Conductivity <645> after a 3 liter flush

Extractables with WFI

Passes NVR test as per USP <661>

Oxidizable Substances

Passes test as per USP <1231>

Complies with USFDA 21 CFR 210.3(b)(6)
Meets and Exceeds USFDA 21 CFR 177.1520