

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						
						Male Luer Slip**	W						
						3/16" Hose Barb***	N						
						3/8" Hose Barb*	I						
Example	DWSX		53		36	QQ		R		X	1		01

For Non-Sterile: DWSX5336QQRX101

For Gamma Sterile: DWSX5336QQXX301

DST DWSX36R1630D



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

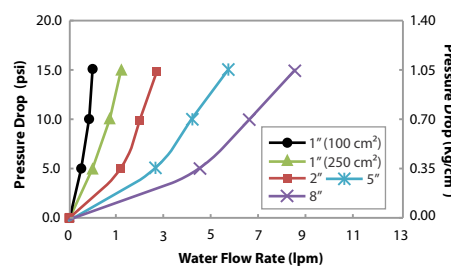
Maximum Operating Temperature

80 °C @ ≤30 psi (2 Kg/cm²)

Maximum Differential Pressure

60 psi (4 Kg/cm²) @ 30 °C

Typical Water Flow Rates



Sterilization By Gamma Irradiation

Gamma irradiatable up to 50 kGy

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