

DISPOSABLE PES MEMBRANE SYRINGE FILTER DISMIC®

25SS020RS/25SS045RS

Ideal for a wide range of life science and pharmaceutical applications.



Advantec Toyo Kaisha, Ltd.
Advantec MFS, Inc

DISPOSABLE PES MEMBRANE SYRINGE FILTER

25SS020RS/25SS045RS

DISMIC®

FEATURES

■ Pre-sterilized by Gamma Irradiation

Eliminates potential contamination by Ethylene oxide residuals. Suitable for sensitive solutions such as tissue culture media.

■ Low protein binding & extractables

Maximize recovery of proteins and critical drugs. Ideal for pharmaceutical and biological applications where sample recovery and low extractables are essential.

■ High filtration volume

Superior flow rate and throughput compared to other conventional membranes. The asymmetrical pore structure lends itself to the filtration of high-contaminant or viscous liquids.

SPECIFICATIONS

	25SS020RS	25SS045RS
Pore size (µm)	0.20	0.45
Membrane Filter Material	Polyethersulfone (PES)	
Housing Material	Acrylic	
Effective Filtration Area (cm ²)	4.0	
Max. Operating Pressure (MPa)	0.51	
Max. Operating Temperature (°C)	45	
Hold-up Volume (mL)	≤0.1	
Connections	Inlet: Female luer-lock Outlet: Male luer slip	
Applicable liquid	Aqueous Liquid	
Sterile	Pre-Sterilized (γ ray-sterilized)	
Quantity per package	50	

Comparison of Protein Binding

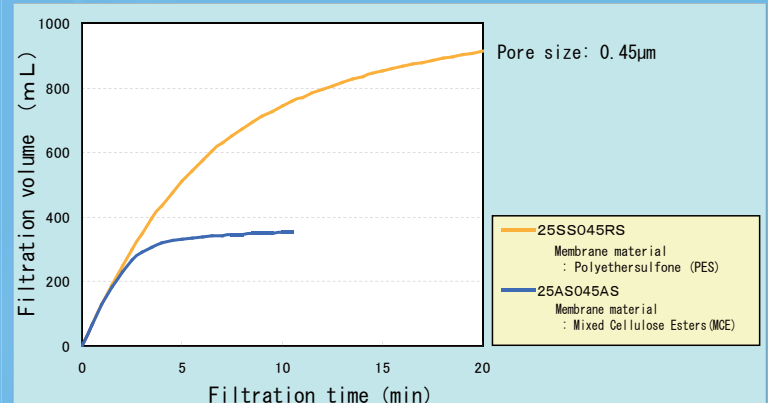
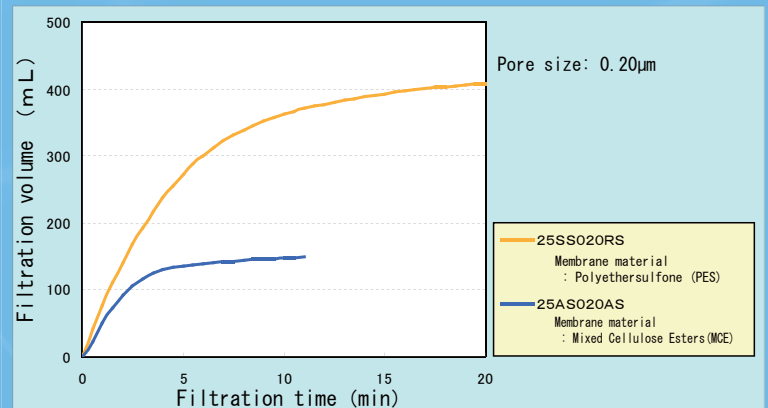
UNIT: µg/filter unit

	Membrane Filter materials	Protein Binding		
		BSA	γ-globulin	IgG
25SS020RS	Polyethersulfone (PES)	5	8	2
25AS020AS	Mixed Cellulose Esters (MCE)	90	150	147

Protein Binding is determined by the difference of the protein concentration in the sample solution before and after filtration.

- * Initial Protein Concentration : 150µg
- * Filtration Pressure : 0.03MPa
- * Analyzer : HPLC

Comparison of the Throughput.



Test Conditions
Sample : 2.5%TSB solution
Filtration condition : 0.07MPa (Pressure), 25°C.

- NOTE: Specifications are subject to change without notice.

ADVANTEC®

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