ADVANTEC® TECHNOLOGY FOR WATER QUALITY

MICROBIOLOGY MEMBRANE FILTER TECHNIQUE

ADVANTEC® MCE Membrane Filters

Advantec MCE membranes are manufactured to ensure superior quality and reproducibility. All 0.45µm white gridded membranes are tested for Coliform, Fecal Streptococci, and *Serratia marcescens*. All 0.65µm are tested to ensure complete retention and optimal recovery of Fecal Coliform and *Saccharomyces cerevisiae*. Our Black and Green membranes are tested for optimal recovery of yeast and total bacteria. Additional tests are performed for uniform wetting, freedom from grid line inhibition, and optimal color reactions on appropriate test media. Quality Assurance Certification is available for individual lot numbers..

Application: Ideal for capturing and culturing microorganisms using the MF Technique in the Water and Wastewater Industry.

TEST ORGANISM	TEST METHOD	PORE/RETENTION
Total Coliforms	9222 B	0.45 µm
Fecal Coliforms	9222 D	0.45 µm
	9230 C	
Total Bacteria		0.20 µm
	9215 D	0.45 µm
Salmonella	9260 B	0.45 µm
Pseudomonas sp (Pseudomonas aeruginosa)	9213	0.20 µm
	9213 E	0.80 µm

Specifications & Ordering Information

47mm Sterile Membrane with Grid (100/pk)

		Catalog No.	
Pore size	***Color***	***Without Pad***	***With Pad***
0.20 µm	white	A020H047A	A020F047A
0.45 µm	white	A045H047A	A045F047A
		A045H047A-P	–
	black	A045R047A	A045M047A
		A045R047A-P	–
	green	A045W047A	–
0.65 µm	white	A065H047A	A065F047A
0.80 µm	white	A080H047A	A080F047A
	black	A080R047A	A080M047A

Other grades, diameters, and pack quantities are available.

SUPPORTING PRODUCTS:

Petri-dishes	**Catalog No.**
With Pad	800101
Without Pad	800100
Absorbent Pads	B200G047A
Filterceps	18800000
SS Manifold w/ 2-Way Valve	
3-Place	353100
6-Place	353300
47mm Holder w/ 300mL Funnel	
Glass base, glass frit	311400
Glass base, ss screen	311500
Stainless Steel	352600
Polysulfone	501050
Culture Media	(various)

TSS TESTING Standard Methods 2540

ADVANTEC® Glass Fiber Filter - Grade GA55

Advantec GA55 Glass Fiber Filters are free of binders and made of pure, fine borosilicate glass. These high purity filters have a fast flow rate and a high loading capacity.

Application: Ideal for TSS (Total Suspended Solid) Analysis in the Water and Wastewater Industry.

Specifications

Nominal Rating	Weight	Thickness	Water Flow Rate[1]	Binder	Max. Operating Temp.
0.6 µm	55 g/m^2	0.21 mm	23 sec.	None	550°C

[1]Flow time is time in seconds required to filter 100 ml of distilled water at 20°C under pressure supplied by a 10 cm water column through a 10 cm^2 section of filter paper.

Ordering Information

Size	Catalog No.	Size	Catalog No.	Size	Catalog No.
24 mm	GA5524MM	47 mm	GA5547MM	90 mm	GA5590MM
25 mm	GA5525MM	55 mm	GA5555MM	110 mm	GA55110MM

OIL & GREASE TESTING Standard Methods 5520

ADVANTEC® Quantitative Filter Papers – Grade No.5B

Advantec Quantitative Filter Papers are made of 99% alpha cotton cellulose which has a high degree of polymerization. The low 0.01% ash content makes it the preferred filter for quantitative analysis.

Application: Ideal for Oil and Grease testing in the Water and Wastewater Industry.

Specifications

Nominal Rating	Thickness	Weight	Flow Time[1]	Absorption Speed[2]	Wet Strength[3]
4 µm (Medium)	0.21 mm	108 g/m^2	195 sec.	7.0 cm	19.4 cm H_2O

[1]Flow time is the time in seconds required to filter 100 ml of distilled water at 20°C under pressure supplied by a 10 cm water column through a 10 cm^2 section of filter paper. [2]Absorption speed is the distance in cm that water will travel in an upright strip of filter paper in 10 minutes at 20°C. [3]Wet Strength is the height in cm of a water column that will rupture a 10 cm^2 section of filter paper.

Ordering Information

Size	Catalog No.	Size	Catalog No.
11.0 cm	N05B11.0CM	15.0 cm	N05B15.0CM
12.5 cm	N05B12.5CM	18.5 cm	N05B18.5CM

Additional grades and diameters are available. Please contact our Customer Service at 1-800-334-7132 (US)

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