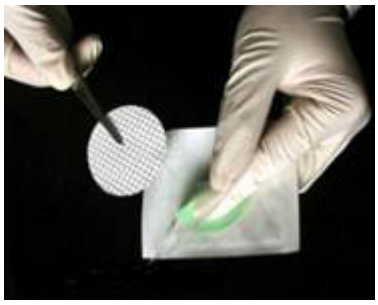
Mixed Cellulose Esters (MCE) Membrane Disc Filter

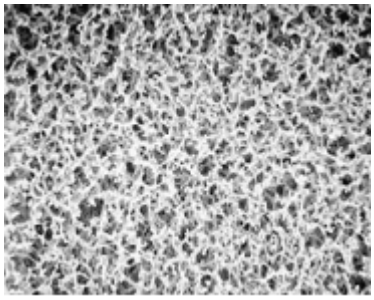
Picture




Features and Benefits

- High porosity provides superior flow rates
- High protein binding can be blocked by pretreatment or utilized in applications
- High purity: Triton-free
- Autoclavable: Withstands autoclaving temperatures up to 130°C without adversely affecting bubble point, flow rate or microbiological recovery
- Rapid wetting time: <3 seconds to wet a 47 mm diameter disc with aqueous 1% methylene blue

Morphology



Applications

- Microbiological analysis
- Sterility testing
- E. Coli bacteria in water/waste water analysis

Product Description

Membrane filters or "membranes" are polymer films with specific pore ratings. MCE Membranes retain particles and microorganisms that exceed their pore ratings by acting as a physical barrier and capturing such particles on the surface of the membrane.
MCE membranes are available in a variety of polymers, pore sizes, diameters, and surface types. Most membranes can be sterilized by autoclaving.
MCE gridded membranes are designed for the recovery and retention of bacteria in microbiological analysis applications. White gridded disks are designed for the recovery and retention of E. Coli bacteria in water/wastewater analysis as well as other microbiological tests. The filters are certified to meet specifications listed in APHA Standard Methods.

Technical Parameter

Membrane	Pore Size (μm)	Thickness (μm)	Bubble Point		Typical Flow Rate (ml/mincm2bar)	Pore%
			(MPa)	(kfg/cm)		
MCE	8.0	130	0.034~0.044	0.35~0.45	405~705	84
	5.0		0.044~0.074	0.45~0.75	330~404	84
	3.0		0.074~0.083	0.75~0.85	260~330	83
	1.2		0.083~0.113	0.85~1.15	182~260	82
	0.8		0.113~0.150	1.15~1.50	124~182	82
	0.65		0.150~0.226	1.50~2.30	48~124	81
	0.45		0.226~0.294	2.30~3.00	34~48	79
	0.30		0.294~0.392	3.00~4.00	18~34	77
	0.22		0.392~0.470	4.00~4.80	10~18	75
	0.15		0.470~0.550	4.80~5.60	7~10	74

Ordering Information

(NO pad), Gridded , White/black,Sterile individually packaged by Gamma Irradiation

Part #	Material	Diameter (mm)	Qty (PK)	Pore Size (μm)
MFGM60PXX	Gridded Membrane (GM)	φ60	100	0.15
MFGM50PXX		φ50	100	0.22
MFGM47PXX		φ47	100	0.3
MFGM35PXX		φ35	100	0.45
MFGM25PXX		φ25	100	0.65? 0.8

White/Black Plain Membrane Disc Filter

Part #	Material	Diameter (mm)	Qty (PK)	Pore Size (µm)
MFMCE300Pxx	**Mixed Cellulose Ester (MCE)**	Φ293	25	**0.15** **0.22** **0.3** **0.45** **0.65** **0.8** **1.2** **3.0** **5.0**
MFMCE200Pxx		φ200	25	
MFMCE150Pxx		φ142	25	
MFMCE100Pxx		φ100	50	
MFMCE60Pxx		φ60	100	
MFMCE50Pxx		φ50	100	
MFMCE47Pxx		φ47	100	
MFMCE45Pxx		φ45	100	
MFMCE40Pxx		φ40	100	
MFMCE35Pxx		φ35	200	
MFMCE25Pxx		φ25	200	
MFMCE13Pxx		φ13	200	