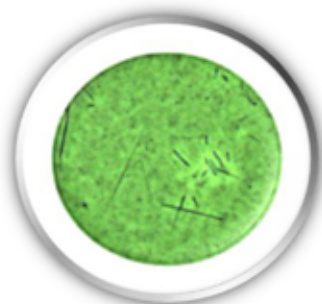
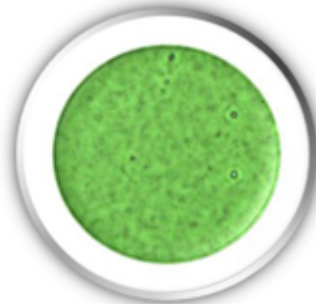


## Opticlear MCE Membrane Filter

ADVANTEC® Developed the *Opticlear* Mixed Cellulose Esters (MCE) membrane filters for airborne asbestos monitoring. *Opticlear* MCE offers superior optical clarity in which to view samples compared to standard MCE.



Standard MCE membrane



*Opticlear* MCE membrane

When cleared, *Opticlear* membranes provide a clear filter background so that counters are not confused by artifacts which can be counted as fibers. These membranes may be cleared to view collected particles or fibers by phase contrast microscope (PCM) by either using a mixture of Dimethyl Phthalate and Diethyl Oxalate or the “hot block” acetone vapor method (NIOSH 7400 and 7402).

Other air monitoring applications which can benefit from the use of Advantec *Opticlear* MCE are sampling and analysis of Silica and Lead(Pb) and the sampling of bulk-air for TSP(total suspended particulate matter).

Cutting and packaging operations are performed under clean room conditions to keep non-asbestos contamination to an absolute minimum.

## Specifications & Ordering Information

Pore size	Color	Surface	Diameter	Qty/Pk	Catalog No.
0.80 µm	white	plain	25 mm	100	A080X025A
		grid	25 mm	100	A080X025B
		plain	37 mm	100	A080X037A
		grid	37 mm	100	A080X037B
		plain	47 mm	100	A080X047A
		grid	47 mm	100	A080X047B
		grid	300 X 300 mm	50	A080X304B
1.00 µm	white	grid	300 X 300 mm	50	A100X304B

## 37mm Blank Monitor Cassette Holders

Advantec 37mm Monitor Cassettes are designed for industrial hygiene applications including sampling of airborne particulates, asbestos, and metals. These cassettes can be loaded with a 37mm *Opticlear* MCE membrane filter and cellulose support pad or other membrane-type filter. Cassettes can be used for closed- or open-face sampling with a vacuum source. Use the 3-piece cassette for open-face aerosol sampling.

### Specifications

Specification	2-piece	3-piece
Housing	Styrene Acrylonitrile	
Internal Dimensions	Ø34 x 9 mm	Ø34 x 18 mm
External Dimensions	Ø42 x 29 mm	Ø42 x 39 mm
Filtration Area	9.0 cm <sup>2</sup> (1.4 in <sup>2</sup> )	
Internal Volume	8 mL	16 mL
Maximum Temperature	45°C	
Connections	Female Luer slip	
Pressure	Vacuum only	
Plugs	Polyethylene	



### Ordering Information

37mm Blank Monitor Cassettes

Description	Qty/Pk	Catalog No.
2-piece	50	370S2000N
3-piece		370S3000N
37mm Support Pad	100	M-08537MM

Fully assembled 37mm monitors are available preloaded with a standard MCE membrane filter and cellulose support pad.

Cotton cellulose support pads are also available in 25mm and 47mm diameters.

Please see the Specialty Products section of our on-line catalog for further information.