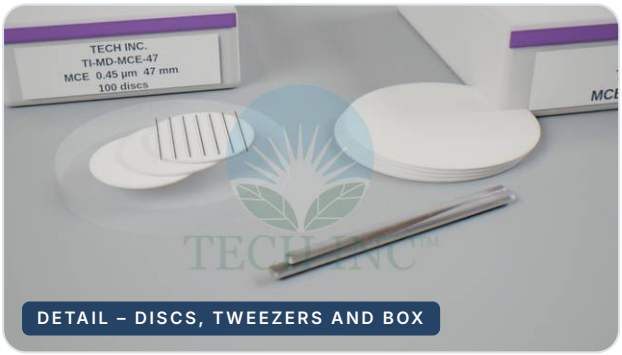
PRODUCT DATASHEET

MCE Membrane Disc Filters

MCE membrane discs, 0.025 to 8 µm, 13 to 293 mm





DETAIL – DISCS, TWEEZERS AND BOX

OVERVIEW

The Tech Inc. MCE Membrane Disc Filters are mixed cellulose esters membranes with a uniform pore structure. They are the standard membrane for microbiology, for silt density index (SDI) testing at 0.45 µm and 47 mm, and for particle and air monitoring.

MODELS AND CONFIGURATIONS

- **White gridded, sterile** – colony counts.
- **0.45 µm, 47 mm** – SDI testing to ASTM D4189.
- **0.8 µm, 25 and 37 mm** – air and asbestos monitoring.
- **Black gridded** – contrast for light-coloured particles.

TYPICAL DESIGN DATA

Model series	TI-MD-MCE-(diameter)
Membrane	Mixed cellulose esters (MCE)
Pore sizes	0.025, 0.1, 0.22, 0.45, 0.65, 0.8, 1.2, 3, 5 and 8 µm
Diameters	13, 25, 37, 47, 90, 142 and 293 mm
Thickness	About 130 to 180 µm
Options	Plain, gridded, sterile, interleaved
Pack	100 discs (25 for 142 and 293 mm)

APPLICATIONS

Water microbiology, SDI testing (ASTM D4189), particle and contamination analysis, air and asbestos monitoring, and aqueous filtration.

KEY ADVANTAGES

- **Uniform pores** – repeatable SDI and counts
- **Gridded options** – easier counting
- **Standard sizes** – fit common holders and cassettes

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Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

Offices: Chennai · Toronto · Tallinn · Al Khobar

mail@techincresearch.com · +1 (289) 622-1032 · www.techincresearch.com

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