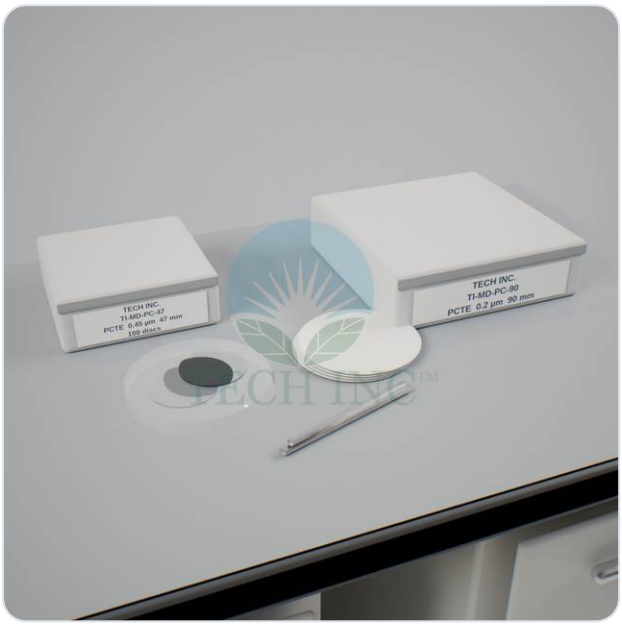
PRODUCT DATASHEET

Polycarbonate Track-Etched Membrane Filters

Polycarbonate track-etched membrane discs, 0.015 to 10 µm, 13 to 293 mm





DETAIL – DISCS, TWEEZERS AND BOX

OVERVIEW

The Tech Inc. Polycarbonate Track-Etched Membrane Filters are thin, flat polycarbonate films with straight cylindrical pores of precise size. Particles and cells stay on the smooth surface, which makes them the membrane of choice for microscopy, particle analysis and cell biology.

MODELS AND CONFIGURATIONS

- **Clear PCTE** – light microscopy and particle capture.
- **Black PCTE** – epifluorescence counting.
- **Very small pores, 0.015 to 0.1 µm** – nanoparticles and virus studies.
- **3 to 10 µm** – cell migration and chemotaxis.

TYPICAL DESIGN DATA

Model series	TI-MD-PC-(diameter)
Membrane	Track-etched polycarbonate (PCTE)
Pore sizes	0.015, 0.05, 0.1, 0.2, 0.4, 0.8, 1, 2, 3, 5, 8 and 10 µm
Diameters	13, 25, 37, 47, 90, 142 and 293 mm
Thickness	About 6 to 25 µm
Options	Plain, gridded, sterile, interleaved
Pack	100 discs (25 for 142 and 293 mm)

APPLICATIONS

SEM and epifluorescence microscopy, particle and contamination analysis, bacteria and plankton counts, cell migration and chemotaxis, and aerosol sampling.

KEY ADVANTAGES

- **Precise pores** – sharp, predictable retention
- **Flat surface** – particles stay on top for imaging
- **Thin and transparent** – microscopy-ready

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

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