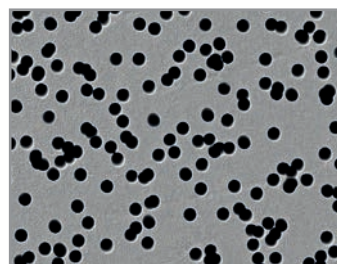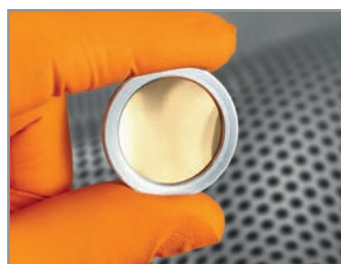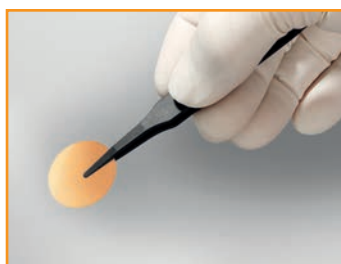# i3 TrackPor R

Gold-coated polyester membrane in an aluminum ring

Gold-coated i3 TrackPor R membrane is used for identifying and characterizing micro- and nanoparticles in pharmaceutical liquids and technical cleanliness. It is mounted in an aluminium ring and delivers an optimal reflection in Fourier Transform Infrared (FTIR) microscopy and Raman spectroscopy and form a suitable, conductive surface for imaging in scanning electron microscopy (EDX/WDX). This track-etched membrane is distinguished by its particularly smooth and even surface. The polyester membrane with a gold-coating of 100/0 nm permits filtration of all organic and inorganic particles and is stable in a liquid medium for longer filtration period.

Features
- Particle analysis by SEM/EDX, FTIR microscopy and Raman spectroscopy

- Identification and characterization of micro- and nanoparticles in
  pharmaceutical fluids and chemical auxiliary agents

- Testing for technical cleanliness in accordance with
  ISO 16232 and VDA 19

- i3 TrackPor P membrane mounted in an aluminum ring (Ø 30 mm)

- Stable in liquid medium for longer filtration periods

- High contrast in SEM, FTIR microscopy and Raman spectroscopy

- Gold-coated on top side (100/0 nm)

- Individually packed in mini petri slides
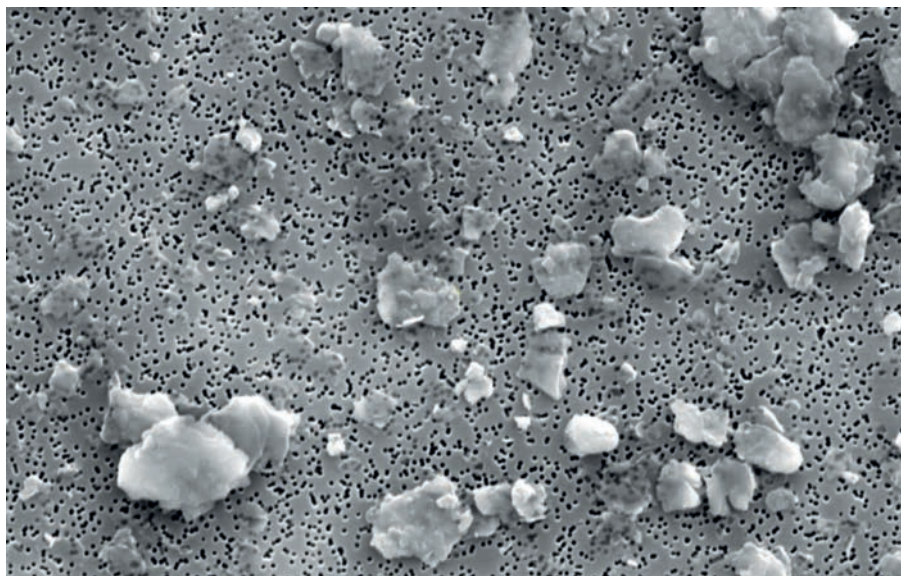
Your Companion
Life Science Filtration

Technical data membrane

Pore size	0.8 µm	3.0 µm	5.0 µm
Membrane material	polyester	polyester	polyester
Pore density (cm^{-2})	4.00 E + 07	3.00 E + 06	4.00 E + 05
Membrane thickness (µm)	22	20	19
Gold-coating (top/down)	100/0 nm	100/0 nm	100/0 nm
Diameter (mm)	30 mm	30 mm	30 mm

Technical data aluminium ring

Weight	1.5 g
Height	1.9 mm
Diameter	32 mm
Material	aluminium

REM (particles on i3 TrackPor R membrane)

Order information

i3 TrackPor R 0.8 µm (art. no.)	201-12022-**0830**
i3 TrackPor R 3.0 µm (art. no.)	201-12022-**3030**
i3 TrackPor R 5.0 µm (art. no.)	201-12022-**5030**
Packaging unit	50 pcs. / 25 pcs.

DE_Full_3TP R_
EN_V02/OCT2021