



## POREX® Micro Fluidic Media & Filters

The Best Results Come  
From The Best Materials.



Advances in micro fluidic systems have strong potential for detection of a wide range of analytes with reduced sample and reagent volume, lower costs and shorter analysis times. High-fidelity multiplex and multiclass assays that synergize components and achievements in nanotechnology, molecular diagnostics, micro fluidics and microelectronics, have the ability to create new and powerful measurement tools in a small device footprint that meet or exceed today's analytical performance requirements.

Critical to the function of lab-on-a-chip, molecular diagnostics and POC analysis solutions is the incorporation and use of highly specialized, pure materials and media in the areas of sample filtration and absorption, particulate capture, debubbling, venting, fluid metering, separation and more.

POREX Micro Fluidic Media and Filters in sheet and complex three-dimensional structures are the smart enabling materials that provide critical functionality in micro device applications. Additionally, POREX Micro Fluidic Media and Filters are robust, certified non-leachable and extractable, easy to handle and can be device inserted using common techniques as press fitting, heat staking and ultrasonic welding.

View our study on Factors Affecting Clinical and Life Science Test Results in Polymeric Consumables.



Scan the QR code to download a copy of our Poster



## POREX® Micro Fluidic Media & Filters

Available in a wide variety of material configurations, Porex advanced porous materials, micro porous PTFE, porous polymeric fiber, porous glass fiber membrane, porous composites and functionalized and bio-activated porous media, combine unique Porex manufacturing processes with proprietary and patented technologies that help deliver technologically advanced solutions for today's challenging applications.

POREX® Micro Fluidic Media and Filters are third party tested by analytical, clinical, and life cycle microbiology testing laboratories. The Pure Porex™ certification substantiates POREX Filters and Materials for filter purity, no material additives or contaminants, no heavy metal interference or inorganic element interference, clinical laboratory methodology compatibility, and 99.9% bacterial aerosol filtration efficiency. Porex Filters and Materials were further tested by independent laboratories and determined to be non-cytotoxic <sup>1</sup>, non-hemolytic. <sup>1</sup>

<sup>1</sup> Data on file and available on request

## TRANS-IT SQ-EASY™ Sample Preparation System

POREX TRANS-IT SQ-EASY is the self-contained, positive closure, sample preparation system that collects, filters, transfers and stores liquid and viscous body fluids and samples such as serum, plasma, urine, stool, blood, saliva, and buffers. Use in clinical and molecular diagnostic testing, PCR methodologies and other DNA/RNA extraction procedures.

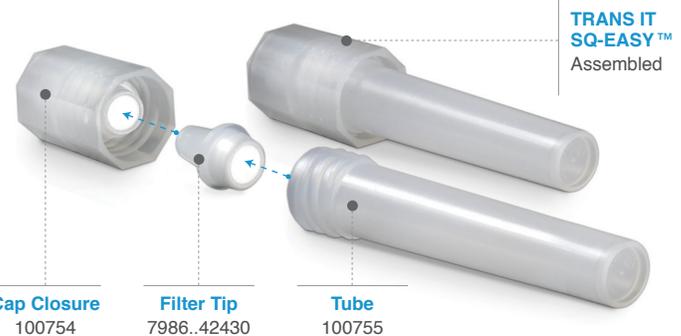
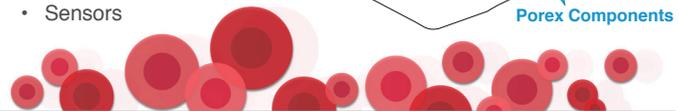
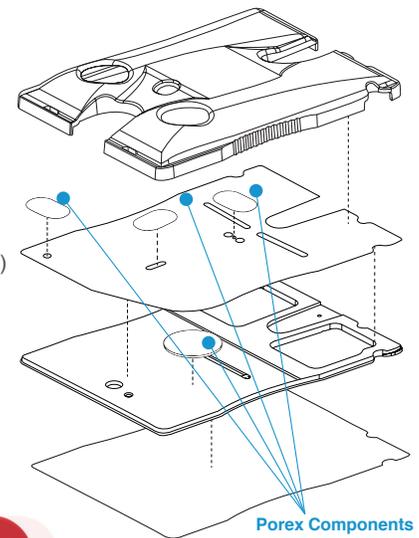
All TRANS-IT SQ-EASY components are liquid tight and interlocking with a screw cap positive closure that prevents sample leakage and allows for inter and intra laboratory transport. \*Filtration media available in porous glass fiber membrane, advanced porous UHMWPE and HDPE materials, and custom material combinations. Components sold separately to allow for application flexibility.

\*Data on file and available on request

TRANS-IT SQ-EASY™ Tube			TRANS-IT SQ-EASY™ Cap Closure	
Catalog No.	Volume	Packaging	Catalog No.	Packaging
100755	3.5 ml	1000/Pk	100754	1000/Pk

### Material Applications

- Sample Filter
- Sample Absorption Pad
- Vent
- Waste Chamber
- Debubbler
- Binder (Functional Additives)
- Particulate Capture
- Others
  - Fluid Check and Metering Valves
  - Separation Column
  - Reagent Reservoirs (Solid and Liquid)
  - Sensors



### TRANS-IT SQ-EASY™ Filter Tip (Assembled With Filter Medium)

Catalog No.	Filtration Efficiency	Filtration Medium	Packaging
7986	1 µm	Glass Fiber + UHMWPE	1000/Pk
7377	5 µm	UHMWPE	1000/Pk
7884	5 µm	Glass Fiber + UHMWPE	1000/Pk
7983	10 µm	UHMWPE	1000/Pk
7984	15 µm	HDPE	1000/Pk
7985	25 µm	HDPE	1000/Pk
42345	25 µm-PCR READY	UHMWPE	1000/Pk
42429	60 µm	HDPE	1000/Pk
42430	95 µm	HDPE	1000/PK



Porex Corporation  
500 Bohannon Road, Fairburn, GA 30213 USA  
T. +1 770 964 1421 F. +1 770 969 0954  
electronics@porex.com

porex.com

Porex Technologies GmbH  
Strangenhäuschen 30, 52070 Aachen, Germany  
T. +49 241 910525-0 F. +49 241 910525-16  
info.europe@porex.com

800.241.0195

Porex Technologies Sdn Bhd  
Lot P.T. 74, Jalan Hulu Tinggi 26/6, Seksyen 26, Sektor A  
Hicom Industrial Park, 40400 Shah Alam, Selangor Malaysia  
T. +603 5191 3308 F. +603 5192 3308  
info.asia@porex.com