



Finest Filtration



qpore Product Catalogue

qpore® offers an extensive spectrum of transfer membranes from different materials for various applications in your laboratory. All membranes are produced from the best raw materials under the highest quality standards.

qpore® Transfer Membrane Nitrocellulose

These qpore® Transfer Membranes from cellulose nitrate (CN) is 100 % pure and contains no foreign substances, whereby background-free blots with optimal bands are enabled. Transfer Membranes from CN with a pore size of 0.22 or 0.45 µm are particularly suited for small sample sizes < 20 kDa and enables optimal protein binding, through which a sensitive detection of smallest protein amounts is possible and blotting-through during transfer is prevented.

Properties:

- Roll dimensions: 300 x 3000 mm
- Membrane thickness approx. 150 µm ± 10 µm
- Binding capacity for proteins: approx. 125 µg/cm²
- Working temperature max. 356°C

Application range:

- Western Blotting
- Northern Blotting
- Southern Blotting
- Protein- and Immunoblotting.

qpore® Transfer Membrane from PVDF

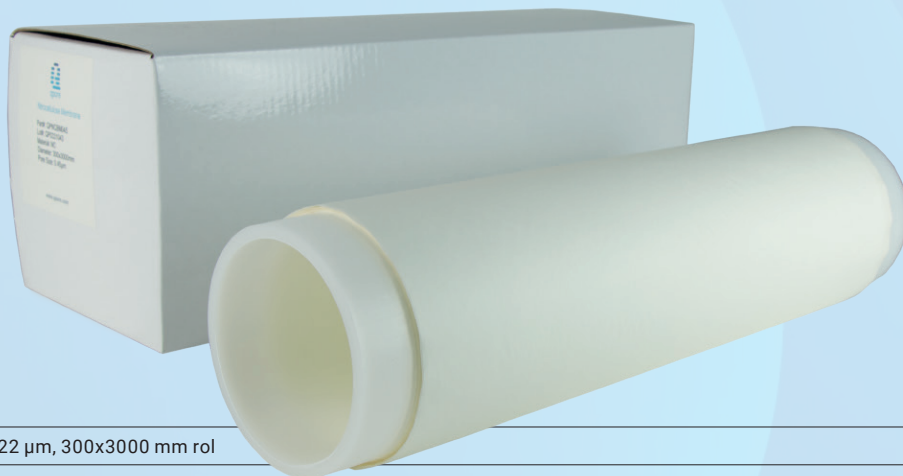
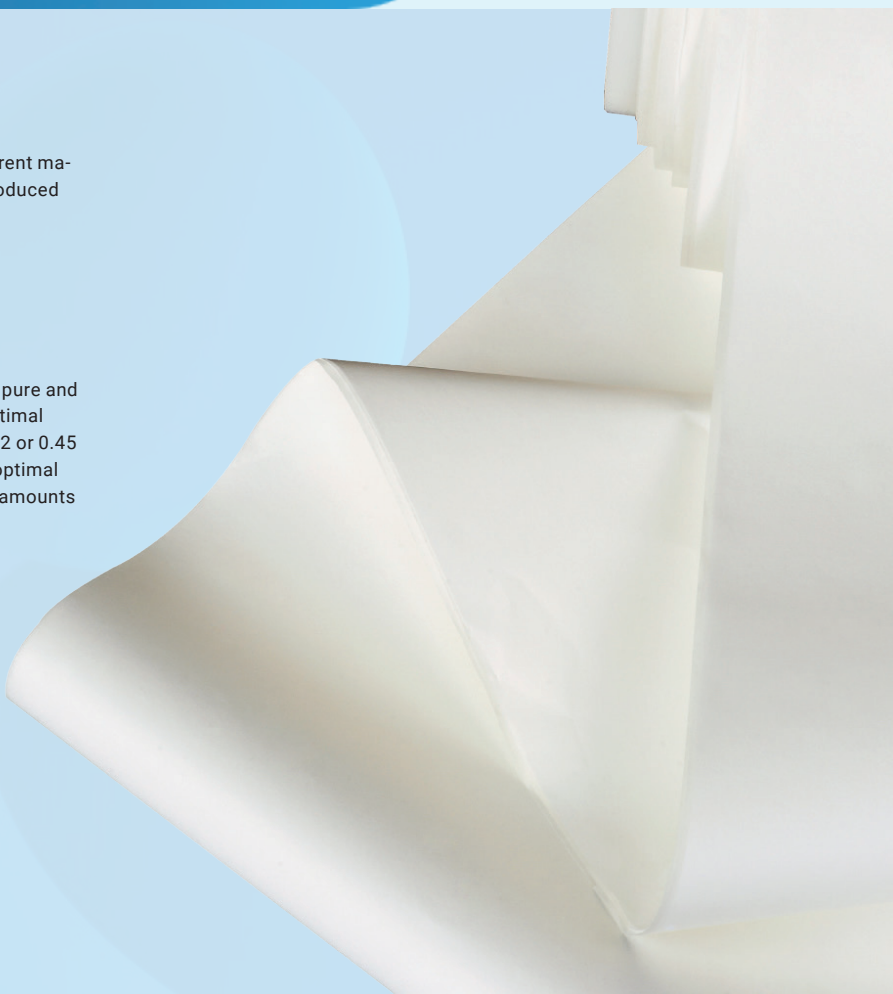
These hydrophobic qpore® Transfer Membranes from polyvinylidenefluoride (PVDF) is highly resilient and resistant against chemicals. Transfer membranes from PVDF with a pore size of 0.22 or 0.45 µm are particularly suited for Western Blotting and Protein Dot-Blotting and enables background-free blots with optimal bands. The high protein binding ability prevents blotting-through during transfer and enables the detection of even smallest protein amounts. Due to the strong hydrophobic material properties of transfer membranes from PVDF these must be soaked in organic solvents before the blotting process. The membranes remain usable even after stringent washing conditions and multiple stripping processes.

Properties:

- Roll dimensions: 300 x 3000 mm
- Membrane thickness approx. 140 - 250 µm
- Binding capacity for proteins: approx. 125 µg/cm²

Application range:

- Western Blotting
- Protein Sequencing
- Protein Dot-Blotting



SKU	Article
6-0000	qpore® Transfer Membrane cellulose nitrate, 0.22 µm, 300x3000 mm roll
6-0001	qpore® Transfer Membrane cellulose nitrate, 0.45 µm, 300x3000 mm roll
6-0002	qpore® Transfer Membrane from PVDF, 0.20 µm, 300x3000 mm roll
6-0003	qpore® Transfer Membrane from PVDF, 0.45 µm, 300x3000 mm roll
6-0049	qpore® Transfer Membrane Nitrocellulose, 100x100 mm, 0.22 µm, 100 pcs/pack
6-0050	qpore® Transfer Membrane Nitrocellulose, 100x100 mm, 0.45 µm, 100 pcs/pack

qpore® Bottle-Top-Filter, CA

qpore® offers an extensive spectrum of bottle top filters from different materials which are particularly suited for the filtration of larger sample amounts. All membranes are produced from best raw materials under highest quality standards.

These sterile qpore® bottle top filters with cellulose acetate membrane (CA) have fast flow-through rates and have very low protein binding properties, making them optimal for filtration of cell culture media. With a GL 45 screw cap and hose connection these bottle top filters are suited for negative pressure filtration applications directly in the sterile bottle.

Properties:

- Blue colour coding
- Fast connection for hoses with inner Ø 8-12 mm
- Graduated filtration top
- Sterile, pyrogen-free, free of detergents
- The bottle top filters are packaged individually sterile to 24 pieces.

Application range:

- Sterile filtration of cell culture media,
- Microbiological media,
- Buffer solutions and other biological solutions



SKU Article

6-0006	qpore® Bottle-Top-Filter, CA, sterile, 0.22 µm, 250 ml, 24 pcs/pack
6-0007	qpore® Bottle-Top-Filter, CA, sterile, 0.45 µm, 250 ml, 24 pcs/pack
6-0010	qpore® Bottle-Top-Filter, CA, sterile, 0.22 µm, 500 ml, 24 pcs/pack
6-0011	qpore® Bottle-Top-Filter, CA, sterile, 0.45 µm, 500 ml, 24 pcs/pack

qpore® Bottle-Top-Filter, PES

These sterile qpore® bottle top filters with polyethersulfone membrane (PES) have fastest flow-through rates and have very low protein binding properties, making them optimal for filtration of cell culture media. With a GL 45 screw cap and hose connection these bottle top filters are suited for negative pressure filtration applications directly in the sterile bottle.

Properties:

- Green color coding
- Fast connection for hoses with inner Ø 8-12 mm
- Graduated filtration top
- Sterile, pyrogen-free, free of detergents
- The bottle top filters are packaged individually sterile to 24 pieces

Application range:

- Sterile filtration of cell culture media
- Microbiological media
- Buffer solutions and other biological solutions



SKU Article

6-0004	qpore® Bottle-Top-Filter, PES, sterile, 0.22 µm, 250 ml, 24 pcs/pack
6-0005	qpore® Bottle-Top-Filter, PES, sterile, 0.45 µm, 250 ml, 24 pcs/pack
6-0008	qpore® Bottle-Top-Filter, PES, sterile, 0.22 µm, 500 ml, 24 pcs/pack
6-0009	qpore® Bottle-Top-Filter, PES, sterile, 0.45 µm, 500 ml, 24 pcs/pack
6-0037	qpore® Bottle-Top-Filter, PES, sterile, 0.10 µm, 250 ml, 24 pcs/pack
6-0040	qpore® Bottle-Top-Filter, PES, sterile, 0.10 µm, 500 ml, 24 pcs/pack

qpore®
Bottle-Top-Filter, CA

qpore® offers an extensive spectrum of bottle top filters from different materials which are particularly suited for the filtration of larger sample amounts. All membranes are produced from best raw materials under highest quality standards.

qpore Bottle top filter with a membrane from polyvinylidene fluoride with hose connection for screwing onto bottles with GL45 thread. The bottle top filters are suited for vacuum filtration applications (sterile filtration of cell culture media, microbiological media, buffer solutions and other biological solutions). Packaged individually, gamma sterilized, pyrogen-free.



SKU	Article
6-0038	qpore® Bottle-Top-Filter, PVDF, 250 ml, 0.22 µm, Ø 50 mm 24 pcs/pack
6-0039	qpore® Bottle-Top-Filter, PVDF, 250 ml, 0.45 µm, Ø 50 mm 24 pcs/pack
6-0041	qpore® Bottle-Top-Filter, PVDF, 500 ml, 0.22 µm, Ø 90 mm 24 pcs/pack
6-0042	qpore® Bottle-Top-Filter, PVDF, 500 ml, 0.45 µm, Ø 90 mm 24 pcs/pack

qpore®
Filtration Unit, PES

These sterile polyethersulfone membrane (PES) qpore® Filtration Units have the fastest flow rates and very low protein binding, making them ideal for filtration of cell culture media. At the end of filtration, the sterile solution in the flask bottle can be stored until ready for use.

The scope of delivery of the complete unit includes the filter funnel with either 0.2 µm or 0.45 µm PES membrane, a vacuum port, a lid, the filtrate bottle and a cap.

- Characteristics:
- Green color coding
 - Quick connection for hoses with inside Ø 8-12 mm
 - Graduated filter top
 - Sterile, pyrogen-free, free of detergents
 - The filtration units are individually sterile packed in 12 pieces
 - packaging with cut-open aid; thereby to open without further aids

- Applications:
- Sterile filtration of cell culture media
 - Microbiological media
 - Buffer solutions and other biological solutions



SKU	Article
6-0051	qpore® Filtration Unit PES, 250/250 ml, 0.22 µm, diameter: 50 mm, 12 pcs./pack
6-0052	qpore® Filtration Unit PES, 250/250 ml, 0.45 µm, diameter: 50 mm, 12 pcs./pack
6-0053	qpore® Filtration Unit PES, 250/500 ml, 0.1 µm, diameter: 50 mm, 12 pcs./pack
6-0054	qpore® Filtration Unit PES, 250/500 ml, 0.22 µm, diameter: 50 mm, 12 pcs./pack
6-0055	qpore® Filtration Unit PES, 250/500 ml, 0.45 µm, diameter: 50 mm, 12 pcs / pack
6-0056	qpore® Filtration Unit PES, 500/500 ml, 0.22 µm, diameter: 90 mm, 12 pcs./pack
6-0057	qpore® Filtration Unit PES, 500/500 ml, 0.45 µm, diameter: 90 mm, 12 pcs./pack
6-0058	qpore® Filtration Unit PES, 500/1000 ml, 0.1 µm, diameter: 90 mm 12 pcs/pack
6-0059	qpore® Filtration Unit PES, 500/1000 ml, 0.22 µm, diameter: 90 mm 12 pcs/pack
6-0060	qpore® Filtration Unit PES, 500/1000 ml, 0.45 µm, diameter: 90 mm 12 pcs/pack

qpore® Membrane filter are made from high-quality raw materials and are suited for different filtration applications in the laboratory.

qpore® Membrane Filter, CA

The hydrophilic qpore membrane filters made of pure cellulose acetate (CA) belong to the group of filters with very low binding properties. These filters enable high filtration quantities and thus reduce the need for filter changes. CA membrane filters are ideally suited for the filtration of proteins and enzymes, sterile filtration of cell culture media and other applications, i.e. wherever the preservation of the original protein composition and concentration is important.



SKU	Article
6-0082	qpore® membrane filter, CA, non-sterile, 0,22 µm, Ø 47 mm
6-0083	qpore® membrane filter, CA, non-sterile, 0,45 µm, Ø 47 mm

qpore® Membrane Filter, CME

This hydrophilic, unsterile qpore® membrane filter from cellulose mixed esters (CME) is made up of cellulose acetate and cellulose nitrate and is characteristic for a soft as well as even surface structure. Through effective retention properties in combination with high flow-through rates and excellent thermal resistance this membrane filter is suited for a wide application range from clear and sterile filtration to air particle analysis.

Properties:

- High flow-through rates
- Membrane thickness approx. 130 µm
- Good thermal resistance (max. 90°C)
- **The membrane filters are packaged unsterile to 200 pieces**

Application range:

- Clear- and sterile filtration of liquids
- Air particle analysis
- Contamination analysis of fuels and hydraulic fluids
- Diverse biological applications (cell harvesting or cell washing)



SKU	Article
6-0026	qpore® Membrane Filter, CME, non-sterile, 0.22 µm, Ø 25 mm
6-0027	qpore® Membrane Filter, CME, non-sterile, 0.22 µm, Ø 47 mm
6-0028	qpore® Membrane Filter, CME, non-sterile, 0.45 µm, Ø 25 mm
6-0029	qpore® Membrane Filter, CME, non-sterile, 0.45 µm, Ø 47 mm

qpore® Membrane Filter, CME, with grid inserts

Properties:

- Grid insert: 3.1 x 3.1 mm
- High flow-through rates
- Short wetting time: < 3 seconds
- Membrane thickness approx. 130 µm
- Good thermal resistance (max. 90°C)
- **The membrane filters are packaged individually sterile to 100 pieces**

Application range:

- Clear- and sterile filtration of liquids
- Air particle analysis
- Contamination analysis of fuels and hydraulic fluids
- Diverse biological applications (cell harvesting or cell washing)



SKU	Article
6-0030	qpore® Membrane Filter, CME, grid inserts, sterile, 0.22 µm, Ø 47 mm
6-0031	qpore® Membrane Filter, CME, grid inserts, sterile, 0.45 µm, Ø 47 mm
6-0032	qpore® Membrane Filter, CME, grid inserts, sterile, 0.80 µm, Ø 47 mm
6-0033	qpore® Membrane Filter, CME, grid inserts, sterile, 0.22 µm, Ø 50 mm
6-0034	qpore® Membrane Filter, CME, grid inserts, sterile, 0.45 µm, Ø 50 mm

qpore®
grid Membrane Filter,
mixed cellulose ester (MCE)

Mixed cellulose ester(MCE) membrane filters are composed of cellulose acetate and cellulose nitrate. Because MCE membrane is biologically inert, it's widely used in analytical and research applications. MCE membrane filter is characterized by smoother and more uniform surface than pure nitrocellulose filter. Also, the color contrast provided by the filter surface facilitates particle detection and minimizes eye fatigue.

Many microbiological techniques include colony counting after incubation as the standard method of quantification. Gridded filters have clearly defined grid lines spaced at 3.1 mm intervals. The special ink used is nontoxic and completely free from bacterial growth inhibitors. White gridded disks are designed for the recovery and retention of E. Coli bacteria in water/waste-water analysis as well as other microbiological tests.

The membrane filters are packaged sterile to 150 pieces



SKU	Article
6-0120	qpore® grid membrane filter, mixed cellulose ester (MCE), sterile, individually packed, suitable for dispensers, 0,22 µm, Ø 47 mm
6-0121	qpore® grid membrane filter, mixed cellulose ester (MCE), sterile, individually packed, suitable for dispensers, 0,22 µm, Ø 47 mm
6-0122	qpore® grid membrane filter, mixed cellulose ester (MCE), sterile, individually packed, suitable for dispensers, 0,8 µm, Ø 47 mm

qpore®
Noliquids safety filter PTFE

qpore Noliquids safety filters prevent the contamination of ambient air with harmful aerosols and protects vacuum pumps from infiltration by liquids. Also suited for sterile venting of bioreactors.

The filters can be autoclaved several times. That keeps the costs low!

Package unit: One piece



SKU	Article
6-0035	qpore® Noliquids safety filter PTFE, 0.22 µm, Ø 50 mm
6-0036	qpore® Noliquids safety filter PTFE, 0.45 µm, Ø 50 mm



qpore® Membrane Filter, PES

The hydrophilic qpore membrane filters made of pure **polyethersulfone PES** have the highest flow rate compared to other membrane materials due to their asymmetric pore structure.

Due to their low protein binding and drug binding properties, PES membrane filters are ideally suited for filtration in the life science sector. Due to their high thermal stability, PES membrane filters can also be used to filter hot liquids.

Package units: 200 pieces

SKU	Article
6-0096	qpore® Membrane Filter, PES, non-sterile, 0,22 µm, Ø 47 mm
6-0097	qpore® Membrane Filter, PES, non-sterile, 0,45 µm, Ø 47 mm
6-0151	qpore® Membrane Filter, PES, sterile, 0,22 µm, Ø 47 mm
6-0152	qpore® Membrane Filter, PES, sterile, 0,45 µm, Ø 47 mm

qpore® Membrane Filter, Nylon

The hydrophilic **qpore pure nylon membrane filters** on carrier material are designed to be uniformly wetted and retain their tear strength when used in general filtration or medical examinations, eliminating the need for wetting agents that could be extracted when filtering aqueous solutions.

Nylon membrane filters are flexible, durable and tear resistant and can be autoclaved at 135°C.

The high-quality nylon membrane filters are suitable for filtering aqueous solutions and most organic solvents. Nylon membrane filters are suitable for a variety of biological samples and can be used where other membranes are unsuitable or difficult to use.

Package units: 200 pieces

SKU	Article
6-0094	qpore® Membrane Filter, Nylon, non-sterile, 0,22 µm, Ø 47 mm
6-0095	qpore® Membrane Filter, Nylon, non-sterile, 0,45 µm, Ø 47 mm

qpore® Membrane Filter, PTFE

The hydrophilic qpore membrane filters made of **polytetrafluoroethylene PTFE** are ideally suited for the filtration of dipolar media where high chemical resistance is required. PTFE membranes are biologically and chemically inert and have high flow rates.

SKU	Article
6-0084	qpore® Membrane Filter, PTFE, non-sterile, hydrophobe, 0,22 µm, Ø 47 mm
6-0085	qpore® Membrane Filter, PTFE, non-sterile, hydrophobe, 0,45 µm, Ø 47 mm
6-0086	qpore® Membrane Filter, PTFE, non-sterile, hydrophile, 0,22 µm, Ø 47 mm
6-0087	qpore® Membrane Filter, PTFE, non-sterile, hydrophile, 0,45 µm, Ø 47 mm

qpore® Membrane Filter, PVDF

The hydrophobic qpore membrane filters made of **polyvinylidene fluoride PVDF** bind far less protein than membrane filters made of nylon, PTFE or mixed cellulose ester. They have a very high flow rate compared to other membrane materials. Due to their low protein and active substance binding properties, PVDF membrane filters are ideally suited for filtration in life sciences. These membrane filters are also excellently suited for the filtration of air and other gases.

SKU	Article
6-0088	qpore® Membrane Filter, PVDF, non-sterile, hydrophobe, 0,22 µm, Ø 47 mm
6-0089	qpore® Membrane Filter, PVDF, non-sterile, hydrophobe, 0,45 µm, Ø 47 mm
6-0090	qpore® Membrane Filter, PVDF, non-sterile, hydrophile, 0,22 µm, Ø 47 mm
6-0091	qpore® Membrane Filter, PVDF, non-sterile, hydrophile, 0,45 µm, Ø 47 mm

qpore® Syringe attachment filters, CA

This qpore® syringe attachment filter has a hydrophilic membrane from cellulose acetate. With a membrane diameter of 25 or 30 mm and an effective filtration surface of approx. 3.9 or 4.6 cm² this filter is ideally suited for sample preparation in the volume range of 1.5 to 100 ml. Through low protein binding this syringe attachment filter is ideally suited for sterile and clear filtration of media, buffers or general aqueous solutions. The stable filter casing from polypropylene is pressure resistant up to max. 6.5 or 7.5 bar, which allows fast filtration.



Properties:

- Low dead volume
- Nitrate-free
- Stable at pH 3-7
- DNA-, DNase-, RNase-, Pyrogen-free
- Luer connections: Luer-Lock female, Luer-Cone male
- No risk of confusion, due to label (membrane type, pore size)
- **The syringe attachment filter are packaged sterile individually to 100 pieces**

qpore® Syringe attachment filters, CA

This non-sterile qpore® syringe filter has a hydrophilic membrane made of CA and is therefore ideal for the filtration of aqueous solutions. CA has low protein binding. Thus, this syringe filter can be used anywhere where the application or the clear filtration is allowed under unsterile conditions, as usually in the sample preparation before HPLC or GC. Includes pre-filter made of fiberglass. The sturdy filter housing made of polypropylene is pressure-resistant up to a maximum of 6.0 bar, which makes fast filtration possible.



Characteristics:

- Low dead volume
- Stable at pH 1-14
- Luer connections: Luer-Lock female, Luer-Konus male
- No risk of confusion, as labeling (type of membrane, pore size)
- **The syringe filters are unsterile packed in a bag of 100 pieces.**



SKU Article

6-0012	qpore® Syringe attachment filters CA, 0.22 µm, Ø 25 mm, sterile
6-0013	qpore® Syringe attachment filters CA, 0.45 µm, Ø 25 mm, sterile
6-0014	qpore® Syringe attachment filter CA, 0.22 µm, Ø 30 mm, sterile
6-0015	qpore® Syringe attachment filter CA, 0.45 µm, Ø 30 mm, sterile

SKU Article

6-0062	qpore® syringe filters, CA, glass fiber prefilter, non-sterile, 0.22, Ø 30 mm
6-0063	qpore® syringe filters, CA, glass fiber prefilter, non-sterile, 0.22, Ø 30 mm

qpore® Syringe filters, CME

The **sterile qpore® syringe filter** have a hydrophilic **membrane made of CME** with very good thermal and chemical resistance. Due to their excellent flow rate, they are ideally suited for sterile filtration, clear filtration and cell removal under sterile conditions.

The **non-sterile qpore® syringe filter** have a hydrophilic **membrane made of CME** with very good thermal and chemical resistance. Due to an excellent flow rate it is optimally suited for clear filtration.

The effective filtration area of this syringe attachment filter is 4.90 cm². The stable filter housing made of polypropylene is pressure resistant up to a maximum of 5.0 bar, allowing fast filtration.

Due to the connection variant Luer-Lock male it is possible to screw several of these filters in series.



Properties:

- Diaphragm diameter 33 mm
- Low dead volume
- Stable at pH 1-14
- DNA-, DNase-, RNase-, pyrogen-free
- Luer connections: Luer-Lock female, Luer-Lock male
- No danger of confusion, as inscription (membrane type, pore size)
- **The syringe filters are individually packed in sterile 100 pieces.**

SKU	Article
6-0127	qpore® syringe filter, CME, sterile, 0.22 µm, Ø 13 mm
6-0128	qpore® syringe filter, CME, sterile, 0.45 µm, Ø 13 mm
6-0076	qpore® syringe filter, CME, sterile, 0.22 µm, Ø 33 mm
6-0077	qpore® syringe filter, CME, sterile, 0.45 µm, Ø 33 mm

6-0135	qpore® syringe filter, CME, non-sterile, 0.8 µm, Ø 13 mm
6-0136	qpore® syringe filter, CME, non-sterile, 1 µm, Ø 13 mm
6-0137	qpore® syringe filter, CME, non-sterile, 3 µm, Ø 13 mm
6-0138	qpore® syringe filter, CME, non-sterile, 5 µm, Ø 13 mm
6-0139	qpore® syringe filter, CME, non-sterile, 8 µm, Ø 13 mm
6-0140	qpore® syringe filter, CME, non-sterile, 0.8 µm, Ø 30 mm
6-0141	qpore® syringe filter, CME, non-sterile, 1 µm, Ø 30 mm
6-0142	qpore® syringe filter, CME, non-sterile, 3 µm, Ø 30 mm
6-0143	qpore® syringe filter, CME, non-sterile, 5 µm, Ø 30 mm
6-0144	qpore® syringe filter, CME, non-sterile, 8 µm, Ø 30 mm

6-0118	qpore® syringe filter, CME, glass fiber prefilter, non-sterile, 0.22, Ø 13 mm
6-0119	qpore® syringe filter, CME, glass fiber prefilter, non-sterile, 0.45, Ø 13 mm
6-0078	qpore® syringe filter, CME, glass fiber prefilter, non-sterile, 0.22, Ø 30 mm
6-0079	qpore® syringe filter, CME, glass fiber prefilter, non-sterile, 0.45, Ø 30 mm

qpore® Syringe filters, Fiberglass

The qpore® glass fiber syringe filters with a pore size of 1 µm are particularly well suited for the prefiltration of heavily loaded samples. The special housing allows the assembly of this syringe filter attachment on another syringe filter and thus a two-step filtration in one step. The male Luer-Lock connector on the exit of the glass fiber syringe filter allows a tight connection to the female Luer-Lock connector located at the entrance of a second syringe filter.

The syringe filters are unsterile packed in a bag of 100 pieces.



SKU	Article
6-0061	qpore® syringe filter, fiberglass, non-sterile, 1 µm, Ø 30 mm

qpore® Syringe filters, sterile, PES

This **sterile qpore® syringe attachment filter** has a hydrophilic membrane from PES with high mechanical and chemical resilience with minimal protein absorption. Through an excellent flow-through rate it is optimally suited for sterile filtration, clear filtration and cell removal under sterile conditions. The effective filtration surface of this syringe attachment filter is 4.90 cm². The stable filtration casing from polypropylene is pressure resistant up to max. 5.0 bar, which enables fast filtration.



Characteristics:

- › Low dead volume
- › Stable at pH 1-14
- › DNA-, DNase-, RNase-, Pyrogen-free
- › Luer connections: Luer-Lock female, Luer-Cone male
- › No risk of confusion, due to label (membrane type, pore size)
- › **The sterile syringe attachment filter are packaged individually to 100 pieces**

SKU	Article
6-0043	qpore® Syringe filter, PES, sterile, 0.1 µm, Ø 25 mm
6-0044	qpore® Syringe filter, PES, sterile, 0.22 µm, Ø 25 mm
6-0045	qpore® Syringe filter, PES, sterile, 0.45 µm, Ø 25 mm
6-0046	qpore® Syringe filter, PES, sterile, 0.1 µm, Ø 30 mm
6-0047	qpore® Syringe filter, PES, sterile, 0.22 µm, Ø 30 mm
6-0048	qpore® Syringe filter, PES, sterile, 0.45 µm, Ø 30 mm

qpore® Syringe filters, Nylon

This non-sterile qpore® syringe filter has a hydrophilic nylon membrane and is ideal for filtration of aqueous solutions and solvents. The clean and pure nylon membrane combines the fastest flow rates with a low unspecific binding. Includes pre-filter made of fiberglass. Thus, this syringe filter can be used anywhere where the application or the clear filtration is allowed under unsterile conditions, as usually in the sample preparation before HPLC or GC. The effective filtration area of the syringe filter is 1.65 or 4.90 cm². The sturdy filter housing made of polypropylene is pressure-resistant up to a maximum of 6.0 bar, which makes fast filtration possible.

SKU	Article
6-0016	qpore® Syringe filter nylon, 0.22 µm, Ø 17 mm, non-sterile,
6-0017	qpore® Syringe filter nylon, 0.45 µm, Ø 17 mm, non-sterile
6-0018	qpore® Syringe filter nylon, 0.22 µm, Ø 30 mm, non-sterile
6-0019	qpore® Syringe filter nylon, 0.45 µm, Ø 30 mm, non-sterile
6-0116	qpore® Syringe filter nylon, 0.22 µm, Ø 13 mm, non-sterile
6-0117	qpore® Syringe filter nylon, 0.45 µm, Ø 13 mm, non-sterile

qpore® Syringe filters, non-sterile, PES

This **non-sterile qpore® syringe filter** has a hydrophilic membrane made of PES and is therefore ideal for the filtration of aqueous solutions. PES has a high filtration rate and low protein binding. Thus, this syringe filter can be used anywhere where the application or the clear filtration is allowed under unsterile conditions, as usually in the sample preparation before HPLC or GC. Includes pre-filter made of fiberglass.

The sturdy filter housing made of polypropylene is pressure-resistant up to a maximum of 6.0 bar, which makes fast filtration possible.

Characteristics:

- › Low dead volume
- › Stable at pH 1-14
- › Luer connections: Luer-Lock female, Luer-Konus male
- › No risk of confusion, as labeling (type of membrane, pore size)
- › **The syringe filters are unsterile packed in a bag of 100 pieces.**



SKU	Article
6-0064	qpore® syringe filters, PES, non-sterile, pre-filter, 0.22, Ø 25 mm
6-0065	qpore® syringe filters, PES, non-sterile, pre-filter, 0.45, Ø 25 mm

Characteristics:

- › Low dead volume
- › Stable at pH 3-12
- › Luer connections: Luer-Lock female, Luer-Konus male
- › No risk of confusion, as labeling (type of membrane, pore size)
- › **The syringe filters are unsterile packed in a bag of 100 pieces.**



qpore® Syringe filters, PES

This sterile qpore® syringe filter has a hydrophilic membrane made of PES with high mechanical and chemical resistance with minimal protein absorption. Its excellent flow rate makes it ideal for sterile filtration, clear filtration and cell removal under sterile conditions. The effective filtration area of this syringe filter is 4.9 cm². The filter housing made of polypropylene is pressure-resistant up to a maximum of 5.0 bar, which enables fast filtration. The filter housing has a luer-lock connection both at the input and at the output. This allows the filters to be mounted one after the other in series.

Characteristics:

- Diameter of the membrane 33 mm
- Low dead volume
- Stable at pH 1-14
- DNA, DNase, RNase, pyrogen-free
- Luer connections: Luer-Lock female, Luer-Lock male
- No risk of confusion, as labeling (type of membrane, pore size)
- **The syringe filters are individually packaged sterile to 100 pieces**



SKU	Article
6-0067	qpore Syringe Filters, PES, sterile, 0,1 µm, Ø 33 mm
6-0068	qpore Syringe Filters, PES, sterile, 0,22 µm, Ø 33 mm
6-0069	qpore Syringe Filters, PES, sterile, 0,45 µm, Ø 33 mm
6-0123	qpore® Syringe filter, PES, sterile, 0,1 µm, Ø 13 mm
6-0124	qpore® Syringe filter, PES, sterile, 0,22 µm, Ø 13 mm
6-0125	qpore® Syringe filter, PES, sterile, 0,45 µm, Ø 13 mm

qpore® Syringe filters, PTFE

This non-sterile qpore® syringe filter has a highly hydrophobic PTFE membrane with high resistance to solvents, acids and bases. Thus, this syringe filter can be used anywhere where the application or the clear filtration is allowed under unsterile conditions, as usually in the sample preparation before HPLC or GC. Includes pre-filter made of fiberglass.

For the filtration of hydrophilic solutions, a pre-wash with a solvent is necessary to make the hydrophobic membrane permeable to aqueous solutions. The sturdy filter housing made of polypropylene is pressure-resistant up to a maximum of 6.0 bar, which makes fast filtration possible.

Characteristics:

- Low dead volume
- Stable at pH 1-14
- Luer connections: Luer-Lock female, Luer-Konus male
- No risk of confusion, as labeling (type of membrane, pore size)
- **The syringe filters are unsterile packed in a bag of 100 pieces**



SKU	Article
6-0156	qpore® syringe filter, PTFE, non-sterile, 0.22 µm, Ø 13 mm
6-0020	qpore® syringe filter PTFE, non-sterile, 0.22 µm, Ø 17 mm
6-0021	qpore® syringe filter PTFE, non-sterile, 0.45 µm, Ø 17 mm
6-0022	qpore® syringe filter PTFE, non-sterile, 0.22 µm, Ø 30 mm
6-0023	qpore® syringe filter PTFE, non-sterile, 0.45 µm, Ø 30 mm
6-0024	qpore® syringe filter PTFE, non-sterile, 0.45 µm, Ø 13 mm
6-0025	qpore® syringe filter PTFE, non-sterile, 0.45 µm, Ø 25 mm
6-0080	qpore® syringe filter, PTFE, sterile, hydrophobic, 0.22 µm, Ø 33 mm
6-0081	qpore® syringe filter, PTFE, sterile, hydrophile, 0.45 µm, Ø 33 mm
6-0080	qpore® syringe filter, PTFE, sterile, 0.22 µm, Ø 25 mm
6-0081	qpore® syringe filter, PTFE, sterile, 0.45 µm, Ø 25 mm
6-0149	qpore® syringe filter, PTFE, sterile, hydrophile, 0.22 µm, Ø 25 mm
6-0150	qpore® syringe filter, PTFE, sterile, hydrophile, 0.45 µm, Ø 25 mm

qpore® Syringe filters, PVDF

The sterile hydrophilic qpore® syringe filters made of polyvinylidene fluoride PVDF bind far less protein than syringe attachment filters made of nylon, PTFE or mixed cellulose ester. They have a very high flow rate compared to other membrane materials. Due to their low protein and active substance binding properties, PVDF membrane filters are ideally suited for filtration in the life science sector.

- › Diaphragm diameter 33 mm
- › Low dead volume
- › Stable at pH 1-14
- › DNA-, DNase-, RNase-, pyrogen-free
- › Luer connections: Luer-Lock female, Luer-Lock male
- › No danger of confusion, as inscription (membrane type, pore size)
- › **The syringe filters are individually packed in sterile 100 pieces.**



SKU	Article
6-0070	qpore® syringe filter, PVDF, sterile, hydrophile, 0,22 µm, Ø 33 mm
6-0071	qpore® syringe filter, PVDF, sterile, hydrophile, 0,45 µm, Ø 33 mm
6-0072	qpore® syringe filter, PVDF, glass fiber prefilter, non-sterile, hydrophile, 0,22, Ø 30 mm
6-0073	qpore® syringe filter, PVDF, glass fiber prefilter, non-sterile, hydrophile, 0,45, Ø 30 mm
6-0074	qpore® syringe filter, PVDF, glass fiber prefilter, non-sterile, hydrophobe, 0,22, Ø 30 mm
6-0075	qpore® syringe filter, PVDF, glass fiber prefilter, non-sterile, hydrophobe, 0,45, Ø 30 mm
6-0114	qpore® syringe filter, PVDF, glass fiber prefilter, non-sterile, hydrophobic, 0,22, Ø 13 mm
6-0115	qpore® syringe filter, PVDF, glass fiber prefilter, non-sterile, hydrophobic, 0,45, Ø 13 mm

qpore® Syringe filter holder

Reusable syringe filter holders are unaffected by chemicals and contain no trace elements that could get into the liquid to be filtered. They are therefore ideal for particle removal for sample preparation.

- › Compatibility Chemical resistance as for polycarbonate and silicone
- › Dead volume: less than 0.3 ml
- › The filter requires a membrane filter with a diameter of 25 mm
- › 25 mm diameter: filtration area 3 cm²
- › Flow rates:
Typical values for water at 1 bar (100 kPa), 70 ml / min at 0.2 µm, 110 ml / min at 0.45 µm pore size filters
- › Materials: polypropylene upper and lower parts. Silicone gasket (20.5 x 26.5 mm, replacement for a pack of 10)
- › Pressure limit: max. Operating pressure 7 bar (700 kPa)
- › Sterilization by autoclaving (121 °C)
- › Application:
 - › Gas particle and bacteria filtration
 - › Filtering of oil particles and bacteria
 - › Filtration of alcohol particles and bacteria



SKU	Article
6-0066	qpore® Syringe filter holder, Ø 25 mm, 10 pc/pack



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