FILTER-BIO

FilterBio Membrane

Lab Filtration

Company profile

FilterBio Membrane Co.,Ltd is specialized in manufacturing micro filtration products, including lab filtration and industry filtration. We have 100,000 clean workshop and many years professional experience in the micro filtration field, aim to provide high quality products with the best service to our customers.

Our main business covers disc microporous membrane filters, syringe filters, roll membrane, filter paper and vacuum filter, available in the material of Nylon, MCE, CA, CN, PES, PVDF, PTFE, PP, Glass Fiber, with pore size ranging from 0.1μm to 10μm.Our products have been widely used in industries like bioscience, pharmacy, microelectronics, chemistry, food & beverage, etc.

Now we have distributors in Europe, South Amercia, South Asia, Middle East, etc. Our target is to sell our products all over the world. Welcome to be our distributor !

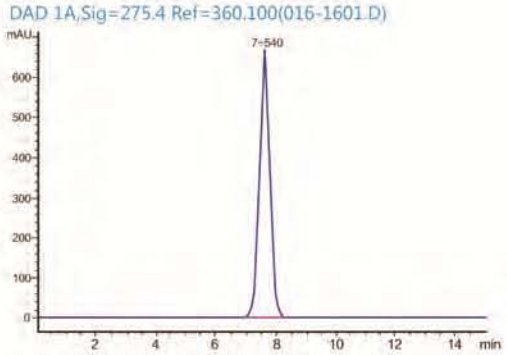
Contents

FILTER-BIO

FilterBio®Disposable Syringe Filter

FilterBio® Syringe Filters are syringe-operated filters for the clarification of aqueous solutions (column eluates, tissue culture additives, HPLC samples, etc.). It is further to do the beautification appearance on general syringe filters basis and containing high quality membrane materials to make your experiment performance more perfect. Its design of color coding, make the products more beautiful and innovative. The classic range is available in all of the major membranes including Nylon, PTFE, PVDF, CA and PES, which are supplied in 13mm, 25mm, 30mm formats in polypropylene housings.

HPLC Extractables Test



Agilent 1200, Column: C18 UV = 254 nm,
Mob.phase:MeOH/H2O:20:80,
Temperature: 25°C, Flow rate:0.8ml/min, sample:2mg/ml Bergenin(in Methanol)

Features

- **Color coding**
  Easier to tell the filter membrane
- **Better membrane media**
  Improved membrane flow rates
- **Application Compatibility**
  Broad range of filtration media meets diverse application needs and best for chromatography application
- **Sterile**
  Filters can be purchased pre-sterilized by Gamma radiation and individually packaged

Validated HPLC Performance

- HPLC certification which guarantees the filters will not produce extraneous peaks in the UV range.
- 100% integrity tested with higher burst strength ratings assuring they will perform consistently.
- Available in 13 and 25mm sizes and available in sterile, too.
- 0.45μm for most clarification applications and 0.22μm when fine particulate removal is required. Other pore size are available in 0.8 μm to 5μm.

Technical specifications

Parameters	13mm	25mm	30mm
Effective Filtration Area(cm2)	1.09	4.08	5.39
Maximum Pressure	87psi (6.0 bar) at 20 ° C	87psi (6.0 bar) at 20 ° C	87psi (6.0 bar) at 20 ° C
Maximum Operating Temperature	50 ° C	50 ° C	50 ° C
Materials of Construction	Housing: Polypropylene	Housing: Polypropylene	Housing: Polypropylene
Filtration Media	As specified		
Holdup volume (μl)	<25	<100	<200
Sample volume (ml)	<10	<100	<200
Connectors	Inlet: Female Luer Lock Outlet: Male Slip Luer	Inlet: Female Luer Lock Outlet: Male Slip Luer	Inlet: Female Luer Lock Outlet: Male Slip Luer
Flow Direction	Inlet: Female Luer Lock Outlet: Male Slip Luer (MSL)	Inlet: Female Luer Lock Outlet: Male Slip Luer	Inlet: Female Luer Lock Outlet: Male Slip Luer

Ordering information

Application

HPLC sample preparation
Routine QC analysis
Content uniformity
Removal of protein precipitate
Dissolution testing
Food analysis
Bioscience analysis
Environmental samples

Enhanced Quality

No matter in manufacturing or testing, quality is a life of product as principal we are all continuously running after.

CA Syringe Filter

PTFE Syringe Filter

PES Syringe Filter

PVDF Syringe Filter

Nylon Syringe Filter

Raw material

All the membranes are imported from some leading companies which are well known in producing membrane.
It is cut into some disc membranes that guarantee exceptional integrity when filtering some samples. Then through into non-gap sealing, virgin medical PP material from CK company is placed to contain all the disc membrane.
It has superior performance to prevent leak of sample solvent and can promise membrane area being used in a large filtration area.

QC control

After manufacturing it in shape, we still focus on testing it to judge whether it is OK and using strict quality controlled system to forbid shoddy products.
Every 90 in 100 can be sold to our customer in the end, 10 pieces are to be died out.
The shelf life of packaged product is also monitored and controlled within our warehouses to ensure efficient stock rotation.

Each piece through this system is selected after concerning 5 factors with critical specifications set for:
* Bubble point
* Burst pressure
* Membrane adsorption (protein)
* Flow rate
* UV extractables (by HPLC)

Product Information

Item	Description		Packaging (pcs/pk)
Nylon66 Syringe Filter (Blue)			
FBS13NY022	Pore:0.22μm	Diameter: 13mm	100
FBS13NY045	Pore:0.45μm	Diameter: 13mm	100
FBS25NY022	Pore:0.22μm	Diameter: 25mm	100
FBS25NY045	Pore:0.45μm	Diameter: 25mm	100
FBS30NY022	Pore:0.22μm	Diameter: 30mm	100
FBS30NY045	Pore:0.45μm	Diameter: 30mm	100
PTFE Syringe Filter (Hydrophobic)			
FBS13PTFE022H	Pore:0.22μm	Diameter: 13mm	100
FBS13PTFE045H	Pore:0.45μm	Diameter: 13mm	100
FBS25PTFE022H	Pore:0.22μm	Diameter: 25mm	100
FBS25PTFE045H	Pore:0.45μm	Diameter: 25mm	100
FBS30PTFE022H	Pore:0.22μm	Diameter: 30mm	100
FBS30PTFE045H	Pore:0.45μm	Diameter: 30mm	100
PTFE Syringe Filter (Hydrophilic)			
FBS13PTFE022L	Pore:0.22μm	Diameter: 13mm	100
FBS13PTFE045L	Pore:0.45μm	Diameter: 13mm	100
FBS25PTFE022L	Pore:0.22μm	Diameter: 25mm	100
FBS25PTFE045L	Pore:0.45μm	Diameter: 25mm	100
FBS30PTFE022L	Pore:0.22μm	Diameter: 30mm	100
FBS30PTFE045L	Pore:0.45μm	Diameter: 30mm	100
PES Syringe Filter (Light Green)			
FBS13PES022	Pore:0.22μm	Diameter: 13mm	100
FBS13PES045	Pore:0.45μm	Diameter: 13mm	100
FBS25PES022	Pore:0.22μm	Diameter: 25mm	100
FBS25PES045	Pore:0.45μm	Diameter: 25mm	100
FBS30PES022	Pore:0.22μm	Diameter: 30mm	100
FBS30PES045	Pore:0.45μm	Diameter: 30mm	100
PVDF Syringe Filter (Hydrophobic)			
FBS13PVDF022H	Pore:0.22μm	Diameter: 13mm	100
FBS13PVDF045H	Pore:0.45μm	Diameter: 13mm	100

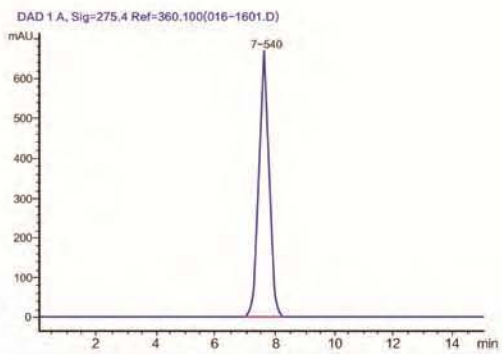
FBS25PVDF022H	Pore:0.22μm	Diameter: 25mm	100
FBS25PVDF045H	Pore:0.45μm	Diameter: 25mm	100
FBS30PVDF022H	Pore:0.22μm	Diameter: 30mm	100
FBS30PVDF045H	Pore:0.45μm	Diameter: 30mm	100
PVDF Syringe Filter (Hydrophilic)			
FBS13PVDF022L	Pore:0.22μm	Diameter: 13mm	100
FBS13PVDF045L	Pore:0.45μm	Diameter: 13mm	100
FBS25PVDF022L	Pore:0.22μm	Diameter: 25mm	100
FBS25PVDF045L	Pore:0.45μm	Diameter: 25mm	100
FBS30PVDF022L	Pore:0.22μm	Diameter: 30mm	100
FBS30PVDF045L	Pore:0.45μm	Diameter: 30mm	100
CA Syringe Filter (Cellulose Acetate)			
FBS13CA022	Pore:0.22μm	Diameter: 13mm	100
FBS13CA045	Pore:0.45μm	Diameter: 13mm	100
FBS25CA022	Pore:0.22μm	Diameter: 25mm	100
FBS25CA045	Pore:0.45μm	Diameter: 25mm	100
FBS30CA022	Pore:0.22μm	Diameter: 30mm	100
FBS30CA045	Pore:0.45μm	Diameter: 30mm	100
MCE Syringe Filter (Dark Green)			
FBS13MCE022	Pore:0.22μm	Diameter: 13mm	100
FBS13MCE045	Pore:0.45μm	Diameter: 13mm	100
FBS25MCE022	Pore:0.22μm	Diameter: 25mm	100
FBS25MCE045	Pore:0.45μm	Diameter: 25mm	100
FBS30MCE022	Pore:0.22μm	Diameter: 30mm	100
FBS30MCE045	Pore:0.45μm	Diameter: 30mm	100
PP Syringe Filter (Polypropylene)			
FBS13PP022	Pore:0.22μm	Diameter: 13mm	100
FBS13PP045	Pore:0.45μm	Diameter: 13mm	100
FBS25PP022	Pore:0.22μm	Diameter: 25mm	100
FBS25PP045	Pore:0.45μm	Diameter: 25mm	100
FBS30PP022	Pore:0.22μm	Diameter: 30mm	100
FBS30PP045	Pore:0.45μm	Diameter: 30mm	100

GF Syringe Filter (Glass Fiber)			
FBS13GF070	Pore:0.7μm	Diameter: 13mm	100
FBS13GF120	Pore:.1.2μm	Diameter: 13mm	100
FBS25GF070	Pore:0.7μm	Diameter: 25mm	100
FBS25GF120	Pore:1.2μm	Diameter: 25mm	100
FBS30GF070	Pore:0.7μm	Diameter: 30mm	100
FBS30GF120	Pore:1.2μm	Diameter: 30mm	100
RC Syringe Filter(Regenerate Cellulose)			
FBS13RC022	Pore:0.22μm	Diameter: 13mm	100
FBS13RC045	Pore:.0.45μm	Diameter: 13mm	100
FBS25RC022	Pore:0.22μm	Diameter: 25mm	100
FBS25RC045	Pore:0.45μm	Diameter: 25mm	100

FilterBio®GF Pre-filter Syringe Filter

FilterBio®GF Pre-filter Syringe Filters are syringe-operated filters with glass fiber prefilter. It' s white , for the housing and membrane, it' s welded together. Compared with the common syringe filter, it has better flow rate and better filtration efficiency. The classic range is available in all of the major membranes including Nylon, PTFE, PVDF, and PES, which are supplied in 13mm, 25mm, 30mm formats in polypropylene housings.

HPLC Extractables Test



Agilent 1200, Column: C18 UV = 254 nm,
Mob.phase:MeOH/H2O:20:80,
Temperature: 25°C, Flow rate:0.8ml/min, sample:2mg/ml Bergenin(in Methanol)

Features

- **Appearance**
  All White color
- **Better Filtration Efficiency**
  Glass fiber pre-filter
- **Application Compatibility**
  Broad range of filtration media meets diverse application needs and best for chromatography application
- **Sterile**
  Filters can be purchased pre-sterilized by Gamma radiation and individually packaged

Validated HPLC Performance

- HPLC certification which guarantees the filters will not produce extraneous peaks in the UV range.
- 100% integrity tested with higher burst strength ratings assuring they will perform consistently.
- Available in 13 and 25mm sizes and available in sterile, too.
- 0.45μm for most clarification applications and 0.22μm when fine particulate removal is required. other pore size are available in 0.8μm to 5μm.

Technical specifications

Parameters	13mm	25mm	30mm
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Maximum Pressure	87psi (6.0 bar) at 20 °C	87psi (6.0 bar) at 20 °C	87psi (6.0 bar) at 20 °C
Maximum Operating Temperature	50 °C	50 °C	50 °C
Materials of Construction	Housing: Polypropylene	Housing: Polypropylene	Housing: Polypropylene
Filtration Media	As specified		
Holdup volume (µl)	<25	<100	<200
Sample volume (ml)	<10	<100	<200
Connectors	Inlet: Female Luer Lock Outlet: Male Slip Luer	Inlet: Female Luer Lock Outlet: Male Slip Luer	Inlet: Female Luer Lock Outlet: Male Slip Luer
Flow Direction	Inlet: Female Luer Lock Outlet: Male Slip Luer (MSL)	Inlet: Female Luer Lock Outlet: Male Slip Luer	Inlet: Female Luer Lock Outlet: Male Slip Luer

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Each piece through this system is selected after concerning 5 factors with critical specifications set for:
* Bubble point
* Burst pressure
* Membrane adsorption (protein)
* Flow rate
* UV extractables (by HPLC)

Product Information

Item	Description		Packaging (pcs/pk)
Nylon66 Syringe Filter			
FBS13NY022G	Pore:0.22μm	Diameter: 13mm	100
FBS13NY045G	Pore:0.45μm	Diameter: 13mm	100
FBS25NY022G	Pore:0.22μm	Diameter: 25mm	100
FBS25NY045G	Pore:0.45μm	Diameter: 25mm	100
FBS30NY022G	Pore:0.22μm	Diameter: 30mm	100
FBS30NY045G	Pore:0.45μm	Diameter: 30mm	100
PTFE Syringe Filter (Hydrophobic)			
FBS13PTFE022HG	Pore:0.22μm	Diameter: 13mm	100
FBS13PTFE045HG	Pore:0.45μm	Diameter: 13mm	100
FBS25PTFE022HG	Pore:0.22μm	Diameter: 25mm	100
FBS25PTFE045HG	Pore:0.45μm	Diameter: 25mm	100
FBS30PTFE022HG	Pore:0.22μm	Diameter: 30mm	100
FBS30PTFE045HG	Pore:0.45μm	Diameter: 30mm	100
PTFE Syringe Filter (Hydrophilic)			
FBS13PTFE022LG	Pore:0.22μm	Diameter: 13mm	100
FBS13PTFE045LG	Pore:0.45μm	Diameter: 13mm	100
FBS25PTFE022LG	Pore:0.22μm	Diameter: 25mm	100
FBS25PTFE045LG	Pore:0.45μm	Diameter: 25mm	100
FBS30PTFE022LG	Pore:0.22μm	Diameter: 30mm	100
FBS30PTFE045LG	Pore:0.45μm	Diameter: 30mm	100
PES Syringe Filter			
FBS13PES022G	Pore:0.22μm	Diameter: 13mm	100
FBS13PES045G	Pore:0.45μm	Diameter: 13mm	100
FBS25PES022G	Pore:0.22μm	Diameter: 25mm	100
FBS25PES045G	Pore:0.45μm	Diameter: 25mm	100
FBS30PES022G	Pore:0.22μm	Diameter: 30mm	100
FBS30PES045G	Pore:0.45μm	Diameter: 30mm	100
PVDF Syringe Filter (Hydrophobic)			
FBS13PVDF022HG	Pore:0.22μm	Diameter: 13mm	100
FBS13PVDF045HG	Pore:0.45μm	Diameter: 13mm	100

FBS25PVDF022HG	Pore:0.22μm	Diameter: 25mm	100
FBS25PVDF045HG	Pore:0.45μm	Diameter: 25mm	100
FBS30PVDF022HG	Pore:0.22μm	Diameter: 30mm	100
FBS30PVDF045HG	Pore:0.45μm	Diameter: 30mm	100
PVDF Syringe Filter (Hydrophilic)			
FBS13PVDF022LG	Pore:0.22μm	Diameter: 13mm	100
FBS13PVDF045LG	Pore:0.45μm	Diameter: 13mm	100
FBS25PVDF022LG	Pore:0.22μm	Diameter: 25mm	100
FBS25PVDF045LG	Pore:0.45μm	Diameter: 25mm	100
FBS30PVDF022LG	Pore:0.22μm	Diameter: 30mm	100
FBS30PVDF045LG	Pore:0.45μm	Diameter: 30mm	100
CA Syringe Filter (Cellulose Acetate)			
FBS13CA022G	Pore:0.22μm	Diameter: 13mm	100
FBS13CA045G	Pore:0.45μm	Diameter: 13mm	100
FBS25CA022G	Pore:0.22μm	Diameter: 25mm	100
FBS25CA045G	Pore:0.45μm	Diameter: 25mm	100
FBS30CA022G	Pore:0.22μm	Diameter: 30mm	100
FBS30CA045G	Pore:0.45μm	Diameter: 30mm	100
MCE Syringe Filter			
FBS13MCE022G	Pore:0.22μm	Diameter: 13mm	100
FBS13MCE045G	Pore:0.45μm	Diameter: 13mm	100
FBS25MCE022G	Pore:0.22μm	Diameter: 25mm	100
FBS25MCE045G	Pore:0.45μm	Diameter: 25mm	100
FBS30MCE022G	Pore:0.22μm	Diameter: 30mm	100
FBS30MCE045G	Pore:0.45μm	Diameter: 30mm	100

FilterBio®Sterile Syringe Filter

FilterBio®Sterile Syringe Filters are available with Polyethersulfone (PES), Polyesteramide(Nylon), Cellulose Acetate(CA), Polytetrafluoroethylene(PTFE), Polyvinylidene Fluoride(PVDF). And each filter is individually packed and sterilized by Gamma Radiation. Every syringe filter is printed with expiry date for easy QC tracking.

Application

- Tissue culture media preparation
- Sterile filtration and clarification of biological fluids
- Probe solutions
- Protein and enzyme filtrations
- Hybridization buffers
- Other aqueous solutions

Product Information

Item	Description		Packaging (pcs/pk)
	PES Syringe Filter		
FBS13PES022S	Pore:0.22μm	Diameter: 13mm	100
FBS13PES045S	Pore:0.45μm	Diameter: 13mm	100
FBS25PES022S	Pore:0.22μm	Diameter: 25mm	50
FBS25PES045S	Pore:0.45μm	Diameter: 25mm	50

Product Information

FBS30PES022S	Pore:0.22μm	Diameter: 30mm	50
FBS30PES045S	Pore:0.45μm	Diameter: 30mm	50
CA Syringe Filter			
FBS13CA022S	Pore:0.22μm	Diameter: 13mm	100
FBS13CA045S	Pore:0.45μm	Diameter: 13mm	100
FBS25CA022S	Pore:0.22μm	Diameter: 25mm	50
FBS25CA045S	Pore:0.45μm	Diameter: 25mm	50
FBS30CA022S	Pore:0.22μm	Diameter: 30mm	50
FBS30CA045S	Pore:0.45μm	Diameter: 30mm	50
PVDF Syringe Filter(Hydrophobic)			
FBS13PVDF022HS	Pore:0.22μm	Diameter: 13mm	100
FBS13PVDF045HS	Pore:0.45μm	Diameter: 13mm	100
FBS25PVDF022HS	Pore:0.22μm	Diameter: 25mm	50
FBS25PVDF045HS	Pore:0.45μm	Diameter: 25mm	50
FBS30PVDF022HS	Pore:0.22μm	Diameter: 30mm	50
FBS30PVDF045HS	Pore:0.45μm	Diameter: 30mm	50
PVDF Syringe Filter(Hydrophilic)			
FBS13PVDF022LS	Pore:0.22μm	Diameter: 13mm	100
FBS13PVDF045LS	Pore:0.45μm	Diameter: 13mm	100
FBS25PVDF022LS	Pore:0.22μm	Diameter: 25mm	50
FBS25PVDF045LS	Pore:0.45μm	Diameter: 25mm	50
FBS30PVDF022LS	Pore:0.22μm	Diameter: 30mm	50
FBS30PVDF045LS	Pore:0.45μm	Diameter: 30mm	50
GF Syringe Filter			
FBS13GF070S	Pore:0.7μm	Diameter: 13mm	100
FBS13GF120S	Pore:1.2μm	Diameter: 13mm	100
FBS25GF070S	Pore:0.7μm	Diameter: 25mm	50
FBS25GF120S	Pore:1.2μm	Diameter: 25mm	50
FBS30GF070S	Pore:0.7μm	Diameter: 30mm	50
FBS30GF120S	Pore:1.2μm	Diameter: 30mm	50
Nylon66 Syringe Filter			
FBS13NY022S	Pore:0.22μm	Diameter: 13mm	100
FBS13NY045S	Pore:0.45μm	Diameter: 13mm	100
FBS25NY022S	Pore:0.22μm	Diameter: 25mm	50
FBS25NY045S	Pore:0.45μm	Diameter: 25mm	50
FBS30NY022S	Pore:0.22μm	Diameter: 30mm	50
FBS30NY045S	Pore:0.45μm	Diameter: 30mm	50

Product Information

PTFE Syringe Filter (Hydrophobic)			
FBS13PTFE022HS	Pore:0.22μm	Diameter: 13mm	100
FBS13PTFE045HS	Pore:0.45μm	Diameter: 13mm	100
FBS25PTFE022HS	Pore:0.22μm	Diameter: 25mm	50
FBS25PTFE045HS	Pore:0.45μm	Diameter: 25mm	50
FBS30PTFE022HS	Pore:0.22μm	Diameter: 30mm	50
FBS30PTFE045HS	Pore:0.45μm	Diameter: 30mm	50
PTFE Syringe Filter (Hydrophilic)			
FBS13PTFE022LS	Pore:0.22μm	Diameter: 13mm	100
FBS13PTFE045LS	Pore:0.45μm	Diameter: 13mm	100
FBS25PTFE022LS	Pore:0.22μm	Diameter: 25mm	50
FBS25PTFE045LS	Pore:0.45μm	Diameter: 25mm	50
FBS30PTFE022LS	Pore:0.22μm	Diameter: 30mm	50
FBS30PTFE045LS	Pore:0.45μm	Diameter: 30mm	50

Note:
Various membrane medium with pp or glass fiber pre-filter are available.
OEM service can be provided.

FilterBio®Top Sterile Syringe Filter

FilterBio®Top Sterile Syringe Filter is manufactured with membrane and acrylic housing. Diameter of 25mm and 33mm can be provided. For the most popular PES syringe filter, we take the modified PES Membrane, which has better flow rate and low protein adsorption ability. Each filter is individually packed and sterilized by Gamma Radiation. Every syringe filter is printed with expiry date for easy QC tracking.

Application

- Sterilize tissue culture media
- Virus suspensions
- Protein and enzyme filtration
- DNA, and other aqueous solutions

Features

- Modified PES Membrane provided
- Acrylic Housing
- 33mm Diameter for high Flow Rate

Product Information

Item	Description		Packaging(pcs/pk)
Top PES Sterile Syringe Filter			
FBS25TPES022S	Pore:0.22μm	Diameter: 25mm	50
FBS25TPES045S	Pore:0.45μm	Diameter: 25mm	50
FBS33TPES022S	Pore:0.22μm	Diameter: 33mm	50
FBS33TPES045S	Pore:0.45μm	Diameter: 33mm	50

Top CA Sterile Syringe Filter			
FBS25TCA022S	Pore:0.22μm	Diameter: 25mm	50
FBS25TCA045S	Pore:0.45μm	Diameter: 25mm	50
FBS33TCA022S	Pore:0.22μm	Diameter: 33mm	50
FBS33TCA045S	Pore:0.45μm	Diameter: 33mm	50
Top MCE Sterile Syringe Filter			
FBS25TMCE022S	Pore:0.22μm	Diameter: 25mm	50
FBS25TMCE045S	Pore:0.45μm	Diameter: 25mm	50
FBS33TMCE022S	Pore:0.22μm	Diameter: 33mm	50
FBS33TMCE045S	Pore:0.45μm	Diameter: 33mm	50
Top PTFE Sterile Syringe Filter (Hydrophobic)			
FBS25TPTFE022HS	Pore:0.22μm	Diameter: 25mm	50
FBS25TPTFE045HS	Pore:0.45μm	Diameter: 25mm	50
FBS33TPTFE022HS	Pore:0.22μm	Diameter: 33mm	50
FBS33TPTFE045HS	Pore:0.45μm	Diameter: 33mm	50
Top PTFE Sterile Syringe Filter (Hydrophilic)			
FBS25TPTFE022LS	Pore:0.22μm	Diameter: 25mm	50
FBS25TPTFE045LS	Pore:0.45μm	Diameter: 25mm	50
FBS33TPTFE022LS	Pore:0.22μm	Diameter: 33mm	50
FBS33TPTFE045LS	Pore:0.45μm	Diameter: 33mm	50
Top PVDF Sterile Syringe Filter(Hydrophobic)			
FBS25TPVDF022HS	Pore:0.22μm	Diameter: 25mm	50
FBS25TPVDF045HS	Pore:0.45μm	Diameter: 25mm	50
FBS33TPVDF022HS	Pore:0.22μm	Diameter: 33mm	50
FBS33TPVDF045HS	Pore:0.45μm	Diameter: 33mm	50
Top PVDF Sterile Syringe Filter (Hydrophilic)			
FBS25TPVDF022LS	Pore:0.22μm	Diameter: 25mm	50
FBS25TPVDF045LS	Pore:0.45μm	Diameter: 25mm	50
FBS33TPVDF022LS	Pore:0.22μm	Diameter: 33mm	50
FBS33TPVDF045LS	Pore:0.45μm	Diameter: 33mm	50
Top Nylon Sterile Syringe Filter			
FBS25TNY022S	Pore:0.22μm	Diameter: 25mm	50
FBS25TNY045S	Pore:0.45μm	Diameter: 25mm	50
FBS33TNY022S	Pore:0.22μm	Diameter: 33mm	50
FBS33TNY045S	Pore:0.45μm	Diameter: 33mm	50
Top GF Sterile Syringe Filter			
FBS25TGF070S	Pore:0.7μm	Diameter: 25mm	50
FBS25TGF120S	Pore:1.2μm	Diameter: 25mm	50
FBS33TGF070S	Pore:0.7μm	Diameter: 33mm	50
FBS33TGF120S	Pore:1.2μm	Diameter: 33mm	50

Note:
Various membrane medium with pp or glass fiber pre-filter are available.

FilterBio®4mm Syringe Filter

FilterBio®4mm Syringe Filter could remove microorganisms, particles, precipitates, and undissolved powders larger than nominal pore size, such as 0.22 micron (μm). The 4mm syringe filter is non-pyrogenic and non-toxic. The special construction usually only allows 2ml liquid for filtration, so it is specially suitable for the small volume filtration.

Features

- Smart and disposable
- Specially for small volume liquids

Specifications

Parameters		4mm	
Effective Filtration Area(cm2)	0.1	Sample volume (ml)	<2
Maximum Pressure	75psi (5.0 bar) at 20 °C	Connectors	Inlet: Female Luer Lock Outlet: Male Slip Luer
Maximum Operating Temperature	50 °C	Flow Direction	Inlet: Female Luer Lock Outlet: Male Slip Luer (MSL)
Materials of Construction	Housing: Polypropylene	Holdup volume (μl)	<8

Product Information

Item	Description		Packaging (pcs/pk)
4mm syringe filter			
FBS4NY022	Pore: 0.22μm	Diameter: 4mm	200
FBS4NY045	Pore: 0.45μm	Diameter: 4mm	200
FBS4PES022	Pore: 0.22μm	Diameter: 4mm	200
FBS4PES045	Pore: 0.45μm	Diameter: 4mm	200
FBS4CA022	Pore: 0.22μm	Diameter: 4mm	200
FBS4CA045	Pore: 0.45μm	Diameter: 4mm	200
FBS4PTFE022H	Pore: 0.22μm	Diameter: 4mm	200
FBS4PTFE045H	Pore: 0.45μm	Diameter: 4mm	200
FBS4PTFE022L	Pore: 0.22μm	Diameter: 4mm	200
FBS4PTFE045L	Pore: 0.45μm	Diameter: 4mm	200
FBS4MCE022	Pore: 0.22μm	Diameter: 4mm	200
FBS4MCE045	Pore: 0.45μm	Diameter: 4mm	200
FBS4PVDF022H	Pore: 0.22μm	Diameter: 4mm	200
FBS4PVDF045H	Pore: 0.45μm	Diameter: 4mm	200
FBS4PVDF022L	Pore: 0.22μm	Diameter: 4mm	200
FBS4PVDF045L	Pore: 0.45μm	Diameter: 4mm	200

FilterBio®50mm Syringe Filter

FilterBio®50mm Syringe Filter is a sterilizing filter for aqueous solutions and venting. It removes microorganisms, particles, precipitates, and undissolved powders larger than nominal pore size, such as 0.22 micron (μm). The 50mm syringe filter is non-pyrogenic and non-toxic. The special construction allows minimal hold-up volume and particle shedding, making this syringe filter ideally suited for the critical needs of the pharmaceutical and biotechnological industries.

Application

- Small volume liquids
- Sterile venting of small fermenters
- Sterile venting of small containers
- General sterile filtration of gases and air

Features

- Superior flow rate and high throughputs
- Smart and disposable
- Scalable and reusable
- Good resistance to pressure

Specifications

Materials of construction	Temperature limit
Filter Medium: PTFE or PES for GMP on a polypropylene support Housing: Polypropylene	60°C maximum Pressure limit at ambient temperature 60psi (4.1bar)
Dimensions	**Connections**
Inlet to outlet 45 mm (1.77 in.) Diameter 56.2 mm (2.21in.) Filtration area 17.2 cm^2(2.6 in^2) Pore size 0.22 µm,0.45µm,0.8 µm, 1.2µm	Outlet : Stepped hose barbs, 6.6 - 11.1mm (1/4 –.3/8in.) diameter Inlet : Stepped hose barbs, 6.6 - 11.1mm (1/4 – 3/8in.) diameter

Product Information

Item	Description		Packaging (pcs/pk)
50mm syringe filter, Inlet: Stepped Hose Barb; Outlet: Stepped Hose Barb			
FBS50PTFE022H	Pore:0.22µm	Diameter: 50mm	25
FBS50PTFE045H	Pore:0.45µm	Diameter: 50mm	25
FBS50PTFE022HS	Pore:0.22µm	Sterile, Diameter: 50mm	25
FBS50PTFE045HS	Pore:0.45µm	Sterile, Diameter: 50mm	25
FBS50PES022	Pore:0.22µm	Diameter: 50mm	25
FBS50PES045	Pore:0.45µm	Diameter: 50mm	25
FBS50PES022S	Pore:0.22µm	Sterile, Diameter: 50mm	25
FBS50PES045S	Pore:0.45µm	Sterile, Diameter: 50mm	25
FBS50NY022	Pore:0.22µm	Diameter: 50mm	25
FBS50NY045	Pore:0.45µm	Diameter: 50mm	25
FBS50NY022S	Pore:0.22µm	Sterile, Diameter: 50mm	25
FBS50NY045S	Pore:0.45µm	Sterile, Diameter: 50mm	25
FBS50PVDF022H	Pore:0.22µm	Diameter: 50mm	25
FBS50PVDF045H	Pore:0.45µm	Diameter: 50mm	25
FBS50PVDF022HS	Pore:0.22µm	Sterile, Diameter: 50mm	25
FBS50PVDF045HS	Pore:0.45µm	Sterile, Diameter: 50mm	25

FilterBio® Disc Membrane Filter

Nylon Membrane Filter

- Hydrophilic
- High protein binding capacity
- Pore size: 0.22μm-5μm, Diameter: 13mm-293mm
- Compatible with aqueous and alcoholic solutions and solvents; suitable for HPLC

Item	Description		Packaging (pcs/pk)
FBM013NY022	Pore:0.22μm	Diameter:13mm	400
FBM025NY022	Pore:0.22μm	Diameter:25mm	200
FBM047NY022	Pore:0.22μm	Diameter:47mm	200
FBM090NY022	Pore:0.22μm	Diameter:90mm	100
FBM142NY022	Pore:0.22μm	Diameter:142mm	50
FBM293NY022	Pore:0.22μm	Diameter:293mm	25
FBM013NY045	Pore:0.45μm	Diameter:13mm	400
FBM025NY045	Pore:0.45μm	Diameter:25mm	200
FBM047NY045	Pore:0.45μm	Diameter:47mm	200
FBM090NY045	Pore:0.45μm	Diameter:90mm	100
FBM142NY045	Pore:0.45μm	Diameter:142mm	50
FBM293NY045	Pore:0.45μm	Diameter:293mm	25
FBM013NY080	Pore:0.80μm	Diameter:13mm	400
FBM025NY080	Pore:0.80μm	Diameter:25mm	200
FBM047NY080	Pore:0.80μm	Diameter:47mm	200
FBM090NY080	Pore:0.80μm	Diameter:90mm	100
FBM142NY080	Pore:0.80μm	Diameter:142mm	50
FBM293NY080	Pore:0.80μm	Diameter:293mm	25

FBM013NY120	Pore:1.20μm	Diameter:13mm	400
FBM025NY120	Pore:1.20μm	Diameter:25mm	200
FBM047NY120	Pore:1.20μm	Diameter:47mm	200
FBM090NY120	Pore:1.20μm	Diameter:90mm	100
FBM142NY120	Pore:1.20μm	Diameter:142mm	50
FBM293NY120	Pore:1.20μm	Diameter:293mm	25
FBM013NY300	Pore:3.0μm	Diameter:13mm	400
FBM025NY300	Pore:3.0μm	Diameter:25mm	200
FBM047NY300	Pore:3.0μm	Diameter:47mm	200
FBM090NY300	Pore:3.0μm	Diameter:90mm	100
FBM142NY300	Pore:3.0μm	Diameter:142mm	50
FBM293NY300	Pore:3.0μm	Diameter:293mm	25
FBM013NY500	Pore:5.0μm	Diameter:13mm	400
FBM025NY500	Pore:5.0μm	Diameter:25mm	200
FBM047NY500	Pore:5.0μm	Diameter:47mm	200
FBM090NY500	Pore:5.0μm	Diameter:90mm	100
FBM142NY500	Pore:5.0μm	Diameter:142mm	50
FBM293NY500	Pore:5.0μm	Diameter:293mm	25

Hydrophobic PTFE Membrane Filter

- PTFE membrane with supporting layer polyester or polypropylene
- Suitable for applications involving aggressive organic solvents, strong acids, and alkalis
- Pore size: 0.1μm-5μm, Diameter: 13mm-142mm
- Hydrophobic nature of the membrane has applications for air and gas sterilization
- High temperature resistance

Item	Description		Packaging(pcs/pk)
FBM013PTFE022H	Pore:0.22μm	Diameter:13mm	400
FBM025PTFE022H	Pore:0.22μm	Diameter:25mm	200
FBM047PTFE022H	Pore:0.22μm	Diameter:47mm	200
FBM090PTFE022H	Pore:0.22μm	Diameter:90mm	100
FBM142PTFE022H	Pore:0.22μm	Diameter:142mm	50

FBM013PTFE045H	Pore:0.45μm	Diameter:13mm	400
FBM025PTFE045H	Pore:0.45μm	Diameter:25mm	200
FBM047PTFE045H	Pore:0.45μm	Diameter:47mm	200
FBM090PTFE045H	Pore:0.45μm	Diameter:90mm	100
FBM142PTFE045H	Pore:0.45μm	Diameter:142mm	50
FBM025PTFE010H	Pore:0.10μm	Diameter:25mm	200
FBM047PTFE010H	Pore:0.10μm	Diameter:47mm	200
FBM090PTFE010H	Pore:0.10μm	Diameter:90mm	100
FBM142PTFE010H	Pore:0.10μm	Diameter:142mm	50
FBM025PTFE120H	Pore:1.20μm	Diameter:25mm	200
FBM047PTFE120H	Pore:1.20μm	Diameter:47mm	200
FBM090PTFE120H	Pore:1.20μm	Diameter:90mm	100
FBM142PTFE120H	Pore:1.20μm	Diameter:142mm	50
FBM025PTFE300H	Pore:3.0μm	Diameter:25mm	200
FBM047PTFE300H	Pore:3.0μm	Diameter:47mm	200
FBM090PTFE300H	Pore:3.0μm	Diameter:90mm	100
FBM142PTFE300H	Pore:3.0μm	Diameter:142mm	50
FBM025PTFE500H	Pore:5.0μm	Diameter:25mm	200
FBM047PTFE500H	Pore:5.0μm	Diameter:47mm	200
FBM090PTFE500H	Pore:5.0μm	Diameter:90mm	100
FBM142PTFE500H	Pore:5.0μm	Diameter:142mm	50

Hydrophilic PTFE Membrane Filter

- Hydrophilic
- Compatible with aqueous, organic solvents, strong acids, and alkalis.
- Pore size: 0.22um,0.45um, Diameter: 13mm-90mm
- High temperature resistance

Item	Description		Packaging(pcs/pk)
FBM013PTFE022L	Pore:0.22μm	Diameter:13mm	400
FBM025PTFE022L	Pore:0.22μm	Diameter:25mm	200
FBM047PTFE022L	Pore:0.22μm	Diameter:47mm	200
FBM090PTFE022L	Pore:0.22μm	Diameter:90mm	100
FBM013PTFE045L	Pore:0.45μm	Diameter:13mm	400
FBM025PTFE045L	Pore:0.45μm	Diameter:25mm	200
FBM047PTFE045L	Pore:0.45μm	Diameter:47mm	200
FBM090PTFE045L	Pore:0.45μm	Diameter:90mm	100

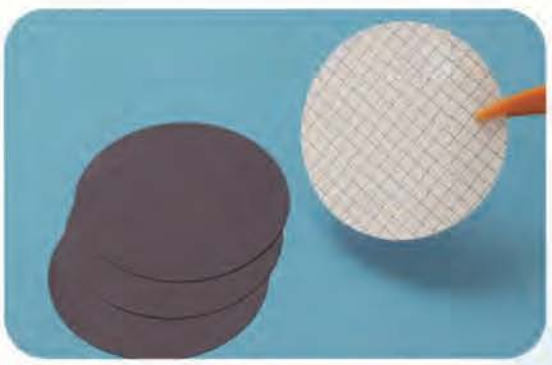
PES Membrane Filter

- Inherently hydrophilic
- Low protein binding
- Pore size: 0.1μm-0.45μm, Diameter:13mm-142mm
- Good chemical compatibility
- Superior thermo stability

Item	Description		Packaging(pcs/pk)
FBM013PES022	Pore:0.22μm	Diameter:13mm	400
FBM025PES022	Pore:0.22μm	Diameter:25mm	200
FBM047PES022	Pore:0.22μm	Diameter:47mm	200
FBM090PES022	Pore:0.22μm	Diameter:90mm	100
FBM142PES022	Pore:0.22μm	Diameter:142mm	50
FBM013PES045	Pore:0.45μm	Diameter:13mm	400
FBM025PES045	Pore:0.45μm	Diameter:25mm	200
FBM047PES045	Pore:0.45μm	Diameter:47mm	200
FBM090PES045	Pore:0.45μm	Diameter:90mm	100
FBM142PES045	Pore:0.45μm	Diameter:142mm	50
FBM013PES010	Pore:0.1μm	Diameter:13mm	400
FBM025PES010	Pore:0.1μm	Diameter:25mm	200
FBM047PES010	Pore:0.1μm	Diameter:47mm	200
FBM090PES010	Pore:0.1μm	Diameter:90mm	100
FBM142PES010	Pore:0.1μm	Diameter:142mm	50

MCE Membrane Filter

- A mixture of nitrocellulose and cellulose acetate
- Naturally hydrophilic
- Available in both supported or non-supported
- Pore size: 0.22μm-3μm, Diameter: 13mm-142mm
- High porosity provides superior flow rates
- Ideal for use in lateral flow assays and dot/slot blotting



Item	Description		Packaging (pcs/pk)
FBM013MCE022	Pore:0.22μm	Diameter:13mm	400
FBM025MCE022	Pore:0.22μm	Diameter:25mm	200
FBM037MCE022	Pore:0.22μm	Diameter:37mm	200
FBM047MCE022	Pore:0.22μm	Diameter:47mm	200
FBM090MCE022	Pore:0.22μm	Diameter:90mm	100
FBM142MCE022	Pore:0.22μm	Diameter:142mm	50
FBM013MCE045	Pore:0.45μm	Diameter:13mm	400
FBM025MCE045	Pore:0.45μm	Diameter:25mm	200
FBM037MCE045	Pore:0.45μm	Diameter:37mm	200
FBM047MCE045	Pore:0.45μm	Diameter:47mm	200
FBM090MCE045	Pore:0.45μm	Diameter:90mm	100
FBM142MCE045	Pore:0.45μm	Diameter:142mm	50
FBM013MCE080	Pore:0.80μm	Diameter:13mm	400
FBM025MCE080	Pore:0.80μm	Diameter:25mm	200
FBM037MCE080	Pore:0.80μm	Diameter:37mm	200
FBM047MCE080	Pore:0.80μm	Diameter:47mm	200
FBM090MCE080	Pore:0.80μm	Diameter:90mm	100
FBM142MCE080	Pore:0.80μm	Diameter:142mm	50
FBM013MCE120	Pore:1.2μm	Diameter:13mm	400
FBM025MCE120	Pore:1.2μm	Diameter:25mm	200
FBM037MCE120	Pore:1.2μm	Diameter:37mm	200
FBM047MCE120	Pore:1.2μm	Diameter:47mm	200
FBM090MCE120	Pore:1.2μm	Diameter:90mm	100
FBM142MCE120	Pore:1.2μm	Diameter:142mm	50

FBM013MCE300	Pore:3.0μm	Diameter:13mm	400
FBM025MCE300	Pore:3.0μm	Diameter:25mm	200
FBM037MCE300	Pore:3.0μm	Diameter:37mm	200
FBM047MCE300	Pore:3.0μm	Diameter:47mm	200
FBM090MCE300	Pore:3.0μm	Diameter:90mm	100
FBM142MCE300	Pore:3.0μm	Diameter:142mm	50
MCE Membrane Filter, White, Gridded, Non-sterile			
FBM025MCE022G	Pore:0.22μm	Diameter:25mm	200
FBM025MCE045G	Pore:0.45μm	Diameter:25mm	200
FBM025MCE080G	Pore:0.80μm	Diameter:25mm	200
FBM047MCE022G	Pore:0.22μm	Diameter:47mm	200
FBM047MCE045G	Pore:0.45μm	Diameter:47mm	200
FBM047MCE080G	Pore:0.80μm	Diameter:47mm	200
MCE Membrane Filter, Black, Gridded, Non-sterile			
FBM025MCE022GB	Pore:0.22μm	Diameter:25mm	200
FBM025MCE045GB	Pore:0.45μm	Diameter:25mm	200
FBM025MCE080GB	Pore:0.80μm	Diameter:25mm	200
FBM047MCE022GB	Pore:0.22μm	Diameter:47mm	200
FBM047MCE045GB	Pore:0.45μm	Diameter:47mm	200
FBM047MCE080GB	Pore:0.80μm	Diameter:47mm	200

Hydrophobic PVDF Membrane Filter

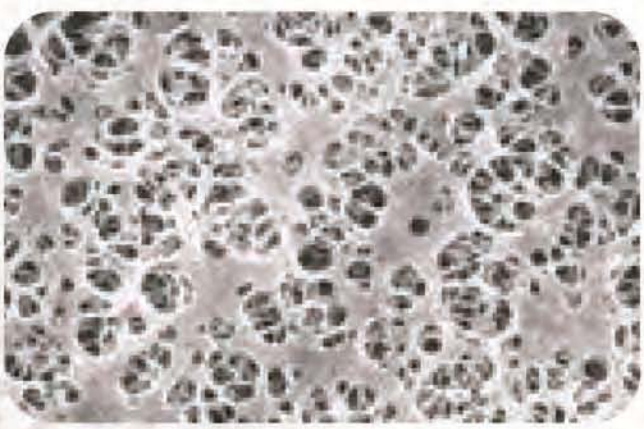
- Wide chemical compatibility
- Excellent mechanical properties
- Pore size: 0.22μm, 0.45μm, Diameter: 13mm -142mm
- High temperature capabilities
- Low extractable levels

Item	Description		Packaging(pcs/pk)
FBM013PVDF022H	Pore:0.22μm	Diameter:13mm	400
FBM025PVDF022H	Pore:0.22μm	Diameter:25mm	200
FBM047PVDF022H	Pore:0.22μm	Diameter:47mm	200
FBM090PVDF022H	Pore:0.22μm	Diameter:90mm	100
FBM142PVDF022H	Pore:0.22μm	Diameter:142mm	50

FBM142PVDF045H	Pore:0.45μm	Diameter:142mm	50
FBM025PVDF045H	Pore:0.45μm	Diameter:25mm	200
FBM047PVDF045H	Pore:0.45μm	Diameter:47mm	200
FBM090PVDF045H	Pore:0.45μm	Diameter:90mm	100
FBM142PVDF045H	Pore:0.45μm	Diameter:142mm	50

CA Membrane Filter

- Hydrophilic
- Very low protein binding capacity
- Pore size: 0.22μm, 0.45 μm, 0.8μm, Diameter: 13mm -142mm
- High physical strength
- Strength and dimension stability



Item	Description		Packaging (pcs/pk)
FBM013CA022	Pore:0.22μm	Diameter:13mm	400
FBM025CA022	Pore:0.22μm	Diameter:25mm	200
FBM047CA022	Pore:0.22μm	Diameter:47mm	200
FBM090CA022	Pore:0.22μm	Diameter:90mm	100
FBM142CA022	Pore:0.22μm	Diameter:142mm	50
FBM013CA045	Pore:0.45μm	Diameter:13mm	400
FBM025CA045	Pore:0.45μm	Diameter:25mm	200
FBM047CA045	Pore:0.45μm	Diameter:47mm	200
FBM090CA045	Pore:0.45μm	Diameter:90mm	100
FBM142CA045	Pore:0.45μm	Diameter:142mm	50
FBM013CA080	Pore:0.80μm	Diameter:13mm	400
FBM025CA080	Pore:0.80μm	Diameter:25mm	200
FBM047CA080	Pore:0.80μm	Diameter:47mm	200
FBM090CA080	Pore:0.80μm	Diameter:90mm	100
FBM142CA080	Pore:0.80μm	Diameter:142mm	50

CN Membrane Filter

- Hydrophilic Cellulose Nitrate, fragile
- Pore size: 0.22μm, 0.45μm, 0.8μm, Diameter: 13mm-142mm
- High physical strength

Item	Description		Packaging (pcs/pk)
FBM013CN022	Pore:0.22μm	Diameter:13mm	400
FBM025CN022	Pore:0.22μm	Diameter:25mm	200
FBM047CN022	Pore:0.22μm	Diameter:47mm	200
FBM090CN022	Pore:0.22μm	Diameter:90mm	100
FBM142CN022	Pore:0.22μm	Diameter:142mm	50
FBM293CN022	Pore:0.22μm	Diameter:293mm	25
FBM013CN045	Pore:0.45μm	Diameter:13mm	400
FBM025CN045	Pore:0.45μm	Diameter:25mm	200
FBM047CN045	Pore:0.45μm	Diameter:47mm	200
FBM090CN045	Pore:0.45μm	Diameter:90mm	100
FBM142CN045	Pore:0.45μm	Diameter:142mm	50
FBM293CN045	Pore:0.45μm	Diameter:293mm	25
FBM013CN080	Pore:0.80μm	Diameter:13mm	400
FBM025CN080	Pore:0.80μm	Diameter:25mm	200
FBM047CN080	Pore:0.80μm	Diameter:47mm	200
FBM090CN080	Pore:0.80μm	Diameter:90mm	100
FBM142CN080	Pore:0.80μm	Diameter:142mm	50
FBM293CN080	Pore:0.80μm	Diameter:293mm	25

PP Membrane Filter

- Hydrophobic Polypropylene
- High Density
- High dirty holding capacity

Item	Description		Packaging (pcs/pk)
FBM013PP022	Pore:0.22μm	Diameter:13mm	400
FBM025PP022	Pore:0.22μm	Diameter:25mm	200
FBM047PP022	Pore:0.22μm	Diameter:47mm	200
FBM090PP022	Pore:0.22μm	Diameter:90mm	100
FBM142PP022	Pore:0.22μm	Diameter:142mm	50
FBM293PP022	Pore:0.22μm	Diameter:293mm	25
FBM013PP045	Pore:0.45μm	Diameter:13mm	400
FBM025PP045	Pore:0.45μm	Diameter:25mm	200
FBM047PP045	Pore:0.45μm	Diameter:47mm	200
FBM090PP045	Pore:0.45μm	Diameter:90mm	100
FBM142PP045	Pore:0.45μm	Diameter:142mm	50
FBM293PP045	Pore:0.45μm	Diameter:293mm	25

FilterBio®Sterile Gridded MCE Membrane

FilterBio®MCE Gridded Membrane Filter mix cellulose ester and cellulose acetate membrane filter, FB sterile gridded MCE membrane filter is unsupported, natural hydrophilic membrane. It is ideal for Colony Counting and Sterility Testing.

FilterBio®MCE Gridded Membrane Filters are composed of cellulose acetate and cellulose nitrate, which has made it one of the most widely used membranes in analytic and research applications.

Features

- Hydrophilic.
- Gridded membrane perfectly for microbiology analysis.
- 0.22μm , 0.45μm , 0.8μm pore size can be provided.
- Gamma irradiated for sterilization.
- Individually packed with easy-open separator paper.

Application

- Sterilizing filtration , air monitoring , particle monitoring, particle removal, bioassay.
- Clarification of aqueous removal and analysis, microbiology analysis.
- Particle monitoring , particle removal , dairy microbiology, retention of yeast, molds and algae.
- QC analysis of fluid holding, particle collection and analysis.

Product Information

Item	Description		Packaging (pcs/pk)
Sterile MCE Membrane filter, White, Gridded, sterile, Individually Packed			
FBM047MCE022GS	Pore: 0.22μm	Diameter: 47mm	200
FBM047MCE045GS	Pore:0.45μm	Diameter: 47mm	200
FBM047MCE080GS	Pore: 0.8μm	Diameter: 47mm	200
FBM050MCE022GS	Pore: 0.22μm	Diameter: 50mm	200
FBM050MCE045GS	Pore:0.45μm	Diameter: 50mm	200
FBM050MCE080GS	Pore: 0.8μm	Diameter: 50mm	200
FBM047MCE022GSP	Pore:0.22μm	Diameter: 47mm, With Pad	50
FBM047MCE045GSP	Pore:0.45μm	Diameter: 47mm, With Pad	50
FBM047MCE080GSP	Pore:0.80μm	Diameter: 47mm, With Pad	50
Sterile MCE Membrane Filter, Black, Gridded, sterile, Individually Packed			
FBM047MCE022GBS	Pore: 0.22μm	Diameter: 47mm	200
FBM047MCE045GBS	Pore:0.45μm	Diameter: 47mm	200
FBM047MCE080GBS	Pore: 0.8μm	Diameter: 47mm	200
FBM050MCE022GBS	Pore: 0.22μm	Diameter: 50mm	200
FBM050MCE045GBS	Pore:0.45μm	Diameter: 50mm	200
FBM050MCE080GBS	Pore: 0.8μm	Diameter: 50mm	200

FilterBio®Lab Filter Paper

FilterBio®chemical analysis filter paper (qualitative filter paper, quantitative filter paper) use high-quality cotton as raw material. It' s made with modern technology and advanced technology machines. It' s a high purity, homogeneous, with a certain speed and a certain strengthen cotton paper, widely used in scientific research, industry, agriculture, medicine health, and environmental protection departments, as a qualitative and quantitative analysis and testing purposes.

Technical Information

Name	Item	Maximum Pore Size(μm)	Speed(s)	Ash(%)	Weight(g/m^2)
Qualitative	Fast	20～25	< 35	0.15	80±4
	Medium	15～20	35～70	0.15	80±4
	Slow	10～15	70～140	0.15	80±4
Quantitive Ashless	Fast	20～25	< 35	≤0. 009	80±4
	Medium	15～20	35～70	≤0. 009	80±4
	Slow	10～15	70～140	≤0. 009	80±4

Specification

- Diameter : 7cm, 9cm, 11cm, 12.5cm, 15cm, 18cm, 60x60cm
- Package : 100pcs/pk

Product Information

Item	Description		Packaging (pcs/pk)
Quantitive Ashless Filter Paper			
Fast （20~25μm）			
FBPTA0700F	Pore:20~25 μm	Diameter: 70mm	100
FBPTA0900F	Pore:20~25 μm	Diameter: 90mm	100
FBPTA1100F	Pore:20~25 μm	Diameter: 110mm	100
FBPTA1250F	Pore:20~25 μm	Diameter: 125mm	100
FBPTA1500F	Pore:20~25 μm	Diameter: 150mm	100
FBPTA1800F	Pore:20~25 μm	Diameter: 180mm	100
Medium （15~20μm）			
FBPTA0700M	Pore:15-20 μm	Diameter: 70mm	100
FBPTA0900M	Pore:15-20 μm	Diameter: 90mm	100
FBPTA1100M	Pore:15-20 μm	Diameter: 110mm	100
FBPTA1250M	Pore:15-20 μm	Diameter: 125mm	100
FBPTA1500M	Pore:15-20 μm	Diameter: 150mm	100
FBPTA1800M	Pore:15-20 μm	Diameter: 180mm	100
Slow （10~15μm）			
FBPTA0700S	Pore:10~15 μm	Diameter: 70mm	100
FBPTA0900S	Pore:10~15 μm	Diameter: 90mm	100
FBPTA1100S	Pore:10~15 μm	Diameter: 110mm	100
FBPTA1250S	Pore:10~15 μm	Diameter: 125mm	100
FBPTA1500S	Pore:10~15 μm	Diameter: 150mm	100
FBPTA1800S	Pore:10~15 μm	Diameter: 180mm	100
Qualitative Filter Paper			
Fast （20~25μm）			
FBPL0700F	Pore:20~25 μm	Diameter: 70mm	100
FBPL0900F	Pore:20~25 μm	Diameter: 90mm	100
FBPL1100F	Pore:20~25 μm	Diameter: 110mm	100
FBPL1250F	Pore:20~25 μm	Diameter: 125mm	100
FBPL1500F	Pore:20~25 μm	Diameter: 150mm	100
FBPL1800F	Pore:20~25 μm	Diameter: 180mm	100
FBPL6600F	Pore:20~25 μm	Size : 600*600mm	100
Medium （15~20μm）			
FBPL0700M	Pore:15-20 μm	Diameter: 70mm	100
FBPL0900M	Pore:15-20 μm	Diameter: 90mm	100
FBPL1100M	Pore:15-20 μm	Diameter: 110mm	100
FBPL1250M	Pore:15-20 μm	Diameter: 125mm	100
FBPL1500M	Pore:15-20 μm	Diameter: 150mm	100
FBPL1800M	Pore:15-20 μm	Diameter: 180mm	100
FBPL6600M	Pore:15-20 μm	Size : 600*600mm	100

Slow （10~15μm）			
FBPL0700S	Pore:10~15 μm	Diameter: 70mm	100
FBPL0900S	Pore:10~15 μm	Diameter: 90mm	100
FBPL1100S	Pore:10~15 μm	Diameter: 110mm	100
FBPL1250S	Pore:10~15 μm	Diameter: 125mm	100
FBPL1500S	Pore:10~15 μm	Diameter: 150mm	100
FBPL1800S	Pore:10~15 μm	Diameter: 180mm	100
FBPL6600S	Pore:10~15 μm	Size : 600*600mm	100

FilterBio® Vacuum Filtration System

Vacuum filter holder

Vacuum filter holders are used for filtration of mobile phase of HPLC, particulate and microbiological contamination. They are the basic instruments in the chemistry lab. Borosilicate glass or type 316L stainless steel parts are endurable many kinds of aqueous, organic or corrosive liquids for analysis. Also can be autoclavable at 121℃(250℉) for sterilization.

Features

All glass vacuum filter holders : Classical design,they are used conveniently.
Filtration assembles : compare with filter holders, these products which join with silicone stopper are easily insert or pull out. Upper portions can connect with vacuum manifold, the combination is more flexible and diversified.
Glass filter holders :These products can connect with vacuum manifold, economical and practical.
Stainless steel filter holders:These products can connect with vacuum manifold. Compare with Glass filter holders, they are durable and no damage.

Name	Type	Components	Filter size	Prefilter size	Grad. volume
All glass vacuum filter holder	FB-G-01	graduated glass funnel, fritted glass base with side arm, joint flask, anodized aluminum clamp, vacuum hose	50mm/47 mm		300ml/ 1L
	FB-G-02				500ml/ 2L
Cylinder style filtration assembles	FB-C-4	cylinder style funnel, fritted glass base, stainless steel clamp, 11# silicone stopper, joint flask with side arm	25mm		40ml
Glass filter holder	FB-G-50	graduated glass funnel, fritted glass base, anodized aluminum clamp, silicone stopper	50mm/47 mm		300ml
Cylinder style glass filter holder	FB-C-40	cylinder style funnel, fritted glass base, stainless steel clamp, 9# or 11# silicone stopper.	25mm		40ml
Stainless steel filter holder	FB-S-30	graduated stainless steel funnel, fritted stainless steel base, anodized aluminum clamp	50mm/47 mm		300ml
	FB-S-50				500ml

Multiple Vacuum Filtration Systems

The stainless steel manifold for 3 or 6 filtration units is fitted with stainless steel units. The apparatus can be autoclaved and sterilized by dryheat at 180°C.

Aluminum clip is designed into a reasonable closely way, with clip filter glass and intermediate filtration heads together, which ensure strict seal without leakage. There is no cleaning corner exist for stockpile liquid and easy to clean. Stainless steel material makes the analytic results more stable and reliable due to its characteristics of acid proof and alkali, as well as hard to corrosion.

Application

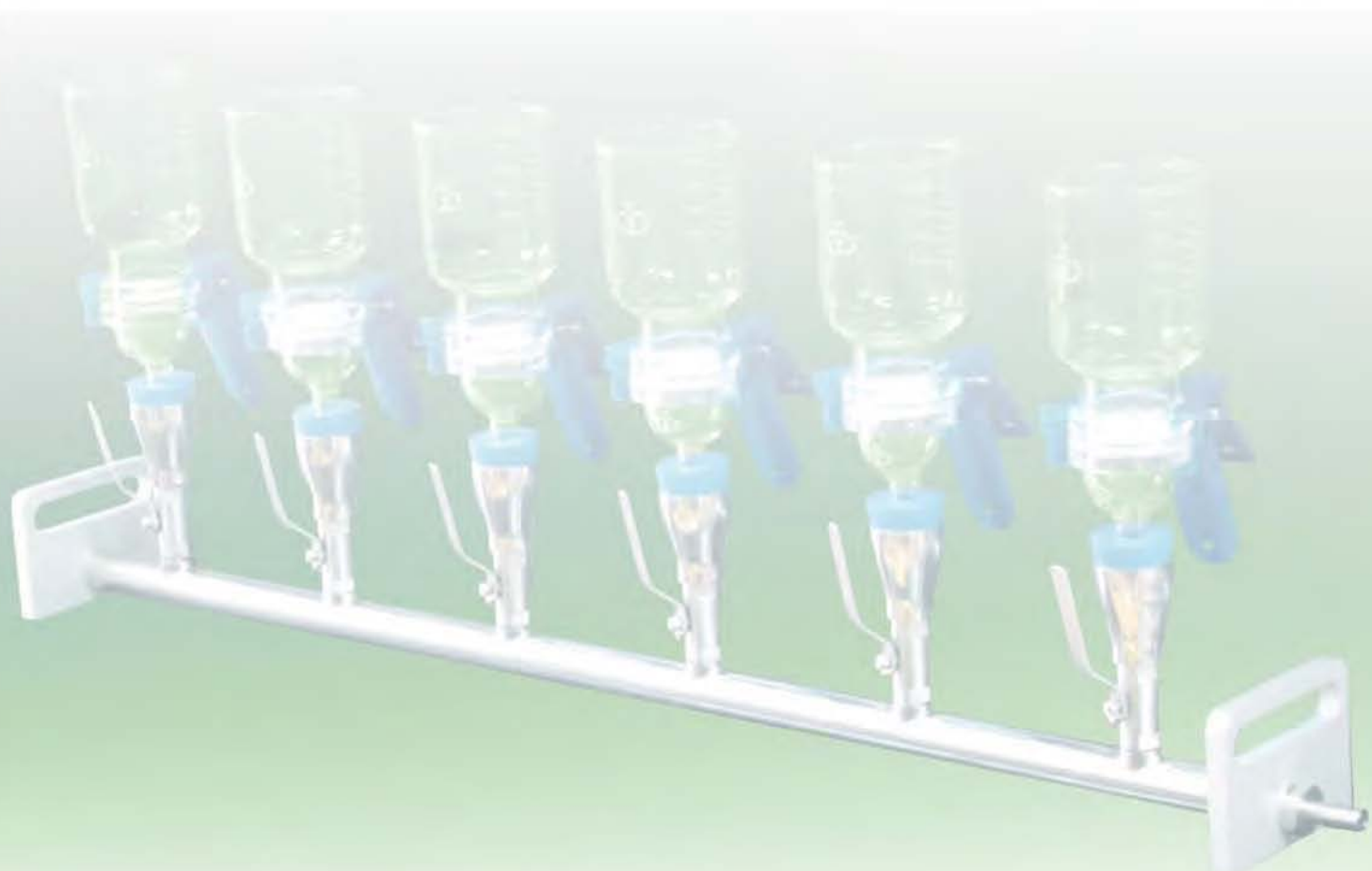
- Microbiological quality control (e.g.Escherichia coli detection), biochemistry, hydrobiology.
- Residue analyses.
- Serial filtration carried out rapidly and easily with a common drainage outlet.
- Drinks (e.g. cold sludge in beer), foodstuffs (e.g. ice cream), cosmetics, pharmaceuticals, water, wastewater.
- Precipitate analysis, contamination tests and so on.

Features

- Each station uses separate control valve for independent operation, easy to use and disinfect with a high efficiency.
- This system can filtrate three or six samples at the same time at low rate, with a high sensitivity.
- Sturdy won't tip when full loaded due to the units with low center of gravity.
- Anodized aluminium handles on both ends are designed for positioning on bench top.
- All MVF series vacuum filtration devices are made of stainless steel which is suitable for filtration, especially in the microbiological field.

Product information

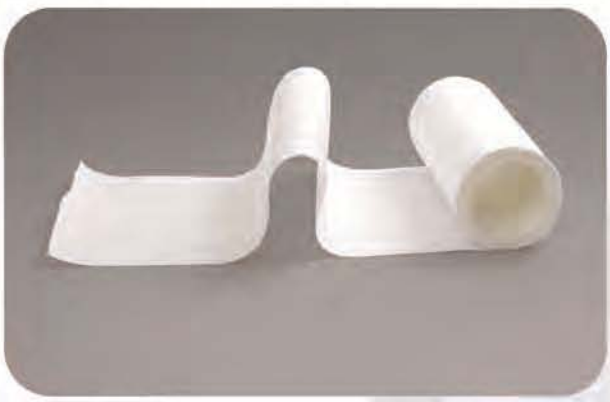
Type	Components	Picture
FB-MC-G3	1) Stainless Steel Manifold 2) Three Glass Filtration Units 3) One Glass Collect Bottle 4)Two pieces of hosepipe	
FB-MC-S3	1) Stainless Steel Manifold 2) Three Stainless Steel Filtration Units 3) One Glass Collect Bottle 4)Two pieces of hosepipe	
FB-MC-S6	1) Stainless Steel Manifold 2)Six Stainless Steel Filtration Units 3) One Glass Collect Bottle 4)Two pieces of hosepipe	
FB-MC-G6	1) Stainless Steel Manifold 2) Six Glass Filtration Units 3) One Glass Collect Bottle 4)Two pieces of hosepipe	



FilterBio® PES Roll Membrane

Product Description

The highly asymmetrical pore structure of our Micro PES flat membrane offers a high dirt loading capacity, increasing the filtration performance to give higher throughputs and higher flow rates than symmetrical membranes.



Features and Benefits

- High flow rates and throughputs due to a highly asymmetric pore structure
- Inherently hydrophilic
- Low protein binding characteristics
- Good chemical compatibility
- Superior thermo stability

Application

- Raki and beer filtration
- Especial chemical reagent filtration
- Liquid of high temperature filtration

Technical Parameter

Item	Pore Size(μm)	Bubble Point (mpa)	Min TMF (ml/min cm^2 bar)
PES	0.04	0.28(IPA)	4
PES	0.1	0.20(IPA)	10
PES	0.2	0.36	35
PES	0.45	0.24	60
PES	0.5	0.22	90
PES	0.65	0.20	90
PES	0.8	0.15	245
PES	1.2	0.10	260

FilterBio® Nylon Roll Membrane

Nylon Membrane can be used to filter all aqueous and the majority of solvent solutions due to their wide chemical compatibility range and natural hydrophilic characteristics.

Nylon membrane is manufactured by Nantong FilterBio Membrane Co.,Ltd using a unique impregnation process that eliminates cracking, tearing, breaking and distortion when handled or creased. The exclusive impregnation process results in a nylon filter with uniform pore sizes and consistent flow rates for continuously reliable performance.

Since Nylon membrane filters are naturally hydrophilic, wetting agents are not used during manufacturing, resulting in a very low level of extractables, making them ideally suited for HPLC solvent filtration, HPLC sample preparation, mobile-phase filtration and critical aqueous applications. They have a high nucleic acid binding capacity of 350 µg/cm2 and Bovine Serum Albumin (BSA) protein binding of 120 µg/cm2 compared to 80-100 µg/cm2 for most cellulosic membranes under the same BSA binding conditions.

Specifications

- Color: white
- Surface : plain
- Sterilization: Gamma or EO compatible
- Wettability: hydrophilic
- Operating temperature: 75 °C max

Pore Size (µm)	Bubble Point (Mpa)	Typical Flow Rate (mL/min/cm2@0.7kg/cm2)	Thickness (µm)
0.22	0.28	9	110-150
0.45	0.2	16	110-150

Features

- High strength
- Natural hydrophilic
- PET(polyester) or PP(polypropylene) supported
- Wide chemical compatibility range :compatible with many aqueous and alcoholic solvents and solutions
- Pure: negligible organic extractables

Application

- HPLC sample preparation
- Sterilization, clarification of aqueous and organic solvent solutions
- Vacuum degassing
- Filtration of tissue culture media, microbiological media, buffers, and solutions

FilterBio® PTFE Roll Membrane

Product Description

PTFE Membrane media for filtration is made of PTFE(polytetrafluoroethylene), are drawn 2-dimension. It is micro-pore film. The PTFE membrane is laminated with a great variety of fabric and paper. They are new filter media. Applied to extensive industries, including pharmacy, biochemistry, microelectronic, and lab material, etc. Directly and indirectly related to pharmacy, brewing, manufacture of pure water and special need water, beverage and dairy, chemical reagent, biochemical reagent, air filtration of fermentation tank in microelectronic, purification and filtration in microelectronic plants, filtration and separation of antibacterial fluid, production of medicine, air conditioning of hospitals and commercial buildings.

Features and Benefits

- PTFE membrane with supporting layer polyester or polypropylene.
- The PTFE membrane can effectively filtrate microorganism and other particulates.
- Wide chemical compatibility
- High temperature resistance
- Low starting resistance

Application

- Filtration of strong acids and aggressive solutions
- Venting applications
- Phase separations
- Aerosol samplings

Technical Parameter

Item	Substrate	Thickness (μm)	Pore Size (μm)	Bubble Point (Mpa)	Air Perm (m^3/m^2hr) (p=0.01MPa)	Maximum Temperature(℃)
PTFE	PP	160±10	0.45	0.06	500-800	150-170
PTFE	PP	160±10	0.22	0.10	300-500	150-170
PTFE	PET	140±10	0.45	0.06	500-800	250
PTFE	PET	140±10	0.22	0.10	300-500	250

Chemical Compatibility Chart

	Nylon	PTFE	MCE	GF	PES	CA	PVDF
ACIDS							
Acetic, Glacial	L	R	N	R	R	N	R
Acetic, 25%	R	R	N	R	R	R	R
Hydrochloric, Concentrated	N	R	N	R	R	N	R
Hydrochloric, 25%	N	R	N	R	R	N	R
Sulphuric, Concentrated	N	R	N	R	N	N	N
Sulphuric, 25%	N	R	R	R	R	R	R
Nitric, Concentrated	N	R	N	L	N	N	R
Nitric, 25%	N	R	R	L	R	N	R
Phosphoric, 25%	N	R	T	T	T	R	T
Formic, 25%	N	R	T	R	T	L	T
Trichloroacetic, 25%	N	R	T	T	T	R	T
ALOHOLS							
Methanol, 98%	R	R	N	R	R	R	R
Ethanol, 98%	R	R	L	R	R	R	R
Ethanol, 70%	L	R	R	R	R	R	R
Isopropanol	R	R	L	R	R	R	R
n-Propanol	R	R	L	R	R	R	R
Amyl Alcohol, Butanol	R	R	N	R	R	R	R
Benzyl Alcohol	R	R	R	T	R	L	R
Ethylene Glycol	R	R	L	R	R	R	R
Propylene Glycol	R	R	L	R	R	L	R
Glycerol	R	R	R	R	R	R	R
BASES							
Ammonium Hydroxide, 25%	R	R	N	R	R	R	L
Sodium Hydroxide,25%	R	R	N	R	R	T	R
HYDROCARBONS							
Hexane, Xylene	R	R	R	R	N	R	L
Toluene, Benzene	R	R	R	R	N	T	R
Kerosene, Gasoline	R	R	R	T	L	R	L
Tetralin, Decalin	T	R	N	T	T	T	R
Hexane, Xylene	R	R	R	R	×	R	L
HALOGENATED HYDROCARBONS							
Methylene Chloride	L	R	N	R	N	N	R
Chloroform	R	R	R	R	N	N	R

	Nylon	PTFE	MCE	GF	PES	CA	PVDF
Trichloroethylene	R	R	R	R	N	R	R
Monochlorobenzene	R	R	N	R	L	R	R
Freon	R	R	R	R	L	R	R
Carbon Tetrachloride	R	R	R	R	N	L	R
KETONES							
Acetone	R	R	N	R	N	N	N
Cyclohexanone	R	R	N	R	N	N	N
Methyl Ethyl Ketone	R	R	N	R	N	L	L
Isopropylacetone	R	R	N	R	N	R	N
Methyl Isobutyl Ketone	T	R	N	R	N	T	L
OXIDES--ETHERS							
Ethyl Ether	R	R	L	R	R	R	R
Dioxane	R	R	N	R	N	N	L
Tretrahydrofuran	R	R	N	R	N	N	L
Triethanolamine	R	R	L	R	T	R	T
Dimethylsulfoxide (DMSO)	R	R	N	R	N	N	N
Isopropyl Ether	T	R	N	R	R	R	R
SOLVENTS WITH NITROGEN							
Dimethyl Formamide	L	R	N	R	N	N	N
Diethylacetamide	R	R	N	R	T	N	T
Triethanolamine	R	R	L	R	T	R	T
Aniline	T	R	N	R	T	N	T
Pyridine	R	R	N	R	×	N	R
Acetronitrile	R	R	N	R	L	N	L
MISC.							
Phenol, Aqueous, 10%	T	R	R	R	N	N	L
Formaldehyde Solution, 30%	R	R	R	R	R	R	R
Hydrogen Peroxide, 30%	R	R	R	R	T	R	T
Silicone Oil & Mineral Oil	T	R	R	R	R	R	R

R= Recommended, N= Not Recommended , T= Test,
L= Limited Resistance (Testing before use is recommended)
PTFE=Polytetrafluorothylene, MCE=Mixed Cellulose Ester,
GF=Glass Fiber, PES=Polyethersulfone,
CA=Cellulose Acetate, PVDF=Polyvinylidene Fluoride