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Life Sciences
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EZLabpure™ Syringe Filter

New Low Cost &
High Quality



USP
Class VI

ISO 13485

EZLabpure™ Syringe Filter

EZLabpure™ Syringe Filters are high-performance, disposable filtration units designed for the reliable and efficient filtration of liquids in laboratory application by combining premium quality and economy. Available in a variety of membrane materials including PTFE, Nylon, PES, PP, PVDF, CA & Glass Fiber and in pore sizes of 0.22 μm and 0.45 μm . Color coding for identification of types of filter membrane.



EZLabpure™ Syringe filters are Made from polypropylene with standard inlet (female Luer lock) and outlet (male Luer) connections. And are ideal for sample clarification, sterilization, and particulate removal.

All materials comply with USP Class VI standards and are available in both sterile and non-sterile options.

Get the EZLabpure™ Syringe Filters Advantage

- 1 Superior Performance – Designed with high flow rates and low absorption membranes to minimize sample loss.
- 2 User-Friendly Design – Color-coded outer rings enable quick identification of membrane types. All syringe filters are color-coded on the basis of membrane type for easy identification.
- 3 Enhanced Durability – Adhesive-free seal eliminates potential sample contamination and outer rings reinforce the housing to withstand higher working pressures, meeting demanding performance requirements.
- 4 Optimal Efficiency – Integrated polypropylene (PP) housing ensures faster flow rates, and also reduces the risk of bursting.
- 5 Advanced Pre-Filtration – Glass fiber filtration option available for handling samples with high particulate loads, extending the life of the final membrane filter.



EZLabpure™ Syringe Filter

Membrane Information

Polytetrafluorethylene (PTFE):

Hydrophobic membrane is resistant to organic solvents as well as strong acids and base. Low protein binding. Low in extractables. Main application is the filtration of non-aqueous samples. Prior to filtering an aqueous sample, the membrane must be pre wet with a water-miscible organic solvent. Hydrophilic Membrane is suitable for aqueous filtration with low protein binding and high flow rates.



Polyvinylidene Difluoride (PVDF):

Hydrophilic membrane resistant to a broad range of organic solvents. Low protein binding.

Polyether sulfone (PES):

Hydrophilic membrane. Broad solvent compatibility. Suitable for filtration of aqueous and compatible organic solvents. Higher liquid flow than either PTFE or PVDF. Low in extractables. Low protein binding.



Nylon (NYL):

Hydrophilic membrane. Resistant to organic solvents. Suitable for use with high pH samples. Bind protein; hence not suitable for protein recovery applications.

Cellulose Acetate (CA):

Hydrophilic membrane. Limited solvent resistance. Very low protein binding capacity and hence excellent for protein recovery applications.



Polypropylene (PP):

Hydrophobic membrane. Best for Filtering aqueous & non-aqueous solution. Offers excellent chemical resistance.

Glass Microfiber (GMF):

Hydrophilic material. Excellent compatibility with organic solvents and strong acid (apart from Hydrofluoric acid) and bases. Either used as a pre-filter or as a final filter.



EZLabpure™ Syringe Filter

Data Table:

Parameters	EZLabpure™ Syringe filter 13mm	EZLabpure™ Syringe filter 25mm	EZLabpure™ Syringe filter 33mm
Housing	Polypropylene	Polypropylene	Polypropylene
Filtration	1.3 cm ²	4.2 cm ²	8.1 cm ²
Maximum Pressure	75 psi (5.2 bar)	75 psi (5.2 bar)	75 psi (5.2 bar)
Flow Direction	Flow should enter from the inlet	Flow should enter from the inlet	Flow should enter from the inlet
Inlet Connection	Female Luer lock	Female Luer lock	Female Luer lock
Outlet Connection	Male Luer	Male Luer	Male Luer
Autoclavability	Autoclave at 121°C (131 °C Max)	Autoclave at 121°C (131 °C Max)	Autoclave at 121°C (131 °C Max)
	At 15 psi for 20 min	At 15 psi for 20 min	At 15 psi for 20 min

Hold- Up Volume For 13mm Syringe Filter Membranes:

Membrane	Pore Size	Values (μL)	Industry Range (μL)
Nylon	0.45 μm	300	100 – 300
	0.2 μm	230	150 – 350
PES	0.45 μm	200	100 – 250
	0.2 μm	250	150 – 300
PVDF	0.45 μm	170	100 – 300
	0.2 μm	180	150 – 350
PTFE	0.45 μm	270	150 – 350
	0.2 μm	240	200 – 400

Hold- Up Volume For 25mm Syringe Filter Membranes:

Membrane	Pore Size	Values (μL)	Industry Range (μL)
Nylon	0.45 μm	426	300 – 500
	0.2 μm	466	350 – 550
PES	0.45 μm	416	300 – 450
	0.2 μm	456	350 – 550
PVDF	0.45 μm	483	300 – 500
	0.2 μm	486	350 – 550
PTFE	0.45 μm	556	400 – 600
	0.2 μm	577	450 – 650

EZLabpure™ Syringe Filter

Hold- Up Volume For 33mm Syringe Filter Membranes:

Membrane	Pore Size	Values (μL)	Industry Range (μL)
Nylon	0.45 μm	660	450 – 750
	0.2 μm	720	500 – 800
PES	0.45 μm	640	400 – 700
	0.2 μm	570	450 – 750
PVDF	0.45 μm	520	400 – 700
	0.2 μm	670	450 – 750
PTFE	0.45 μm	623	450 – 750
	0.2 μm	633	500 – 800

Ordering Information- EZLabpure™ Syringe Filter

Product Number	Description	Pack Size
746-2116-FLS	EZLabpure™ Hydrophilic PTFE Syringe Filters, 0.22 μm Pore Size Membrane for Prefiltration and Sample Prep, 13 mm, Non-sterile	100/PK
746-2216-FLS	EZLabpure™ Hydrophilic PTFE Syringe Filters, 0.22 μm Pore Size Membrane for Prefiltration and Sample Prep, 25 mm, Non-sterile	100/PK
746-2416-FLS	EZLabpure™ Hydrophilic PTFE Syringe Filters, 0.22 μm Pore Size Membrane for Prefiltration and Sample Prep, 33 mm, Non-sterile	100/PK
746-3116-FLS	EZLabpure™ Hydrophilic PTFE Syringe Filters, 0.45 μm Pore Size Membrane for Prefiltration and Sample Prep, 13 mm, Non-sterile	100/PK
746-3216-FLS	EZLabpure™ Hydrophilic PTFE Syringe Filters, 0.45 μm Pore Size Membrane for Prefiltration and Sample Prep, 25 mm, Non-sterile	100/PK
746-3416-FLS	EZLabpure™ Hydrophilic PTFE Syringe Filters, 0.45 μm Pore Size Membrane for Prefiltration and Sample Prep, 33 mm, Non-sterile	100/PK

745-2116-FLS	EZLabpure™ Hydrophobic PTFE Syringe Filters, 0.22 μm Pore Size Membrane for Prefiltration and Sample Prep, 13 mm, Non-Sterile	100/PK
745-2216-FLS	EZLabpure™ Hydrophobic PTFE Syringe Filters, 0.22 μm Pore Size Membrane for Prefiltration and Sample Prep, 25 mm, Non-sterile	100/PK
745-3116-FLS	EZLabpure™ Hydrophobic PTFE Syringe Filters, 0.45 μm Pore Size Membrane for Prefiltration and Sample Prep, 13 mm, Non-sterile	100/PK
745-3216-FLS	EZLabpure™ Hydrophobic PTFE Syringe Filters, 0.45 μm Pore Size Membrane for Prefiltration and Sample Prep, 25 mm, Non-Sterile	100/PK

EZLabpure™ Syringe Filter

749-2115-FLS	EZLabpure™ Hydrophilic Cellulose Acetate (CA) Syringe Filters, 0.22 μ m Sterilizing Membrane, 13 mm, Sterile	100/PK
749-2215-FLS	EZLabpure™ Hydrophilic Cellulose Acetate (CA) Syringe Filters, 0.22 μ m Sterilizing Membrane, 25 mm, Sterile	100/PK
749-2415-FLS	EZLabpure™ Hydrophilic Cellulose Acetate (CA) Syringe Filters, 0.22 μ m Sterilizing Membrane, 33 mm, Sterile	100/PK
749-3115-FLS	EZLabpure™ Hydrophilic Cellulose Acetate (CA) Syringe Filters, 0.45 μ m Membrane for Clarification or Prefiltration, 13 mm, Sterile	100/PK
749-3215-FLS	EZLabpure™ Hydrophilic Cellulose Acetate (CA) Syringe Filters, 0.45 μ m Membrane for Clarification or Prefiltration, 25 mm, Sterile	100/PK
749-3415-FLS	EZLabpure™ Hydrophilic Cellulose Acetate (CA) Syringe Filters, 0.45 μ m Membrane for Clarification or Prefiltration, 33 mm, Sterile	100/PK

741-2115-FLS	EZLabpure™ Hydrophilic Polyether Sulfone (PES) Syringe Filters, 0.22 μ m Sterilizing Membrane, 13 mm, Sterile	100/PK
741-2215-FLS	EZLabpure™ Hydrophilic Polyether Sulfone (PES) Syringe Filters, 0.22 μ m Sterilizing Membrane, 25 mm, Sterile	100/PK
741-2415-FLS	EZLabpure™ Hydrophilic Polyether Sulfone (PES) Syringe Filters, 0.22 μ m Sterilizing Membrane, 33 mm, Sterile	100/PK
741-3115-FLS	EZLabpure™ Hydrophilic Polyether Sulfone (PES) Syringe Filters, 0.45 μ m Membrane for Clarification or Prefiltration, 13 mm, Sterile	100/PK
741-3215-FLS	EZLabpure™ Hydrophilic Polyether Sulfone (PES) Syringe Filters, 0.45 μ m Membrane for Clarification or Prefiltration, 25 mm, Sterile	100/PK
741-3415-FLS	EZLabpure™ Hydrophilic Polyether Sulfone (PES) Syringe Filters, 0.45 μ m Membrane for Clarification or Prefiltration, 33 mm, Sterile	100/PK

748-2115-FLS	EZLabpure™ Hydrophilic PVDF Syringe Filters, 0.22 μ m Sterilizing Membrane, 13 mm, Sterile	100/PK
748-2215-FLS	EZLabpure™ Hydrophilic PVDF Syringe Filters, 0.22 μ m Sterilizing Membrane, 25 mm, Sterile	100/PK
748-2415-FLS	EZLabpure™ Hydrophilic PVDF Syringe Filters, 0.22 μ m Sterilizing Membrane, 33 mm, Sterile	100/PK
748-3115-FLS	EZLabpure™ Hydrophilic PVDF Syringe Filters, 0.45 μ m Membrane for Clarification or Prefiltration, 13 mm, Sterile	100/PK
748-3215-FLS	EZLabpure™ Hydrophilic PVDF Syringe Filters, 0.45 μ m Membrane for Clarification or Prefiltration, 25 mm, Sterile	100/PK
748-3415-FLS	EZLabpure™ Hydrophilic PVDF Syringe Filters, 0.45 μ m Membrane for Clarification or Prefiltration, 33 mm, Sterile	100/PK

EZLabpure™ Syringe Filter

EZLabpure™ Glass Fiber (GF) Syringe Filter

The EZLabpure™ Glass Fiber (GF) Syringe Filter range is specifically designed for high particulate loaded samples. Constructed of pigment-free polypropylene housing, these filters eliminate sample contamination and allow you to filter even the most difficult samples with less hand pressure.

Features & Benefits

- 13mm glass fiber syringe filters for samples up to 10mL and 25 mm glass fiber syringe filters for samples greater than 10mL (however, the volume of sample that can be filtered through each filter depends on the characteristics of the sample)
- Eliminates sample contamination
- Requires less hand pressure even with the most difficult samples
- Processes 3-5 more sample volume

Applications

EZLabpure™ Glass Fiber (GF) Syringe Filters are ideal for heavy particulate-laden sample found in:

- Dissolution testing
- Content uniformity
- Concentration analysis
- Routine sample preparation
- Food analysis
- Environment samples
- Composite assay



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EZLabpure™ Syringe Filter
with Foxx Hydrophilic GF Membrane

Diameter	25 mm
Pore size	0.22 μm
Cat. No.	74C-2216-FLS
Lot No.	xxxxxx
Quantity	100

PK1 LOT1 BARCODE AREA 2

12 North Wentworth Ave.
Londonderry, NH 03053, USA

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EZLabpure™ Syringe Filter

Solvents	CA	CN	NYL	PP	PES	PTFE	PVDF	GMF
Acetic Acid,5 %	LR	R	R	R	R	R	R	R
Acetic Acid, Glacial	NR	NR	LR	R	R	R	R	R
Acetone	NR	NR	R	R	NR	R	R	R
Acetonitrile	NR	NR	R	R	NR	R	R	R
Ammonia,6N	-	NR	R	R	R	R	LR	LR
Amyl Acetate	NR	NR	R	R	LR	R	R	R
Amyl Alcohol	R	R	R	R	NR	R	R	R
Benzene*	R	R	LR	LR	R	R	R	R
Benzyl Alcohol*	LR	LR	LR	R	NR	R	R	R
Boric Acid	R	R	LR	R	R	R	R	R
Butyl Alcohol	R	R	R	R	R	R	R	R
Butyl Chloride*	-	-	NR	NR	R	R	R	R
Carbon Tetrachloride*	NR	R	NR	LR	NR	R	R	R
Chloroform*	NR	R	NR	LR	NR	R	R	R
Chlorobenzene*	-	R	NR	LR	NR	R	R	R
Citric Acid	-	-	LR	R	R	R	R	R
Cresol	NR	R	NR	R	NR	R	R	R
Cyclohexanone	NR	NR	NR	R	NR	R	R	R
Cyclohexane	NR	NR	NR	R	NR	R	R	R
Dimethylacetamide	NR	NR	R	R	R	R	NR	R
Dimethyl Formamide	NR	NR	R	R	NR	R	NR	R
Dioxane	NR	NR	R	R	LR	R	LR	R
DMSO	NR	NR	R	R	NR	R	LR	R
Ethanol	R	NR	R	R	R	R	R	R
Ethers	LR	LR	R	R	R	R	LR	R
Ethyl Acetate	NR	NR	R	R	NR	R	LR	R
Ethylene Glycol	LR	LR	R	R	R	R	R	R

R=Resistant; LR = Limited Resistant; NR = Not Recommended; * = Short Term Resistant of Housing Body

The above data is to be used as a guide only. Testing prior to application is recommended.

** = membrane may need pre-wetting with IPA/Methanol if filtering a polar liquid.

How can Filtration help you?

Syringe filters are a cost-effective way to improve the quality of HPLC analysis, improve consistency, extend column life and reduce maintenance. By removing particulates before the sample enters the column, **EZLabpure™** Syringe filters allow un-impeded flow. Without particulates to create obstruction, the column will work more efficiently and lasts longer.

EZLabpure™ Syringe Filter

Data Table:

Parameters	EZLabpure™ Glass Fiber (GF) Syringe Filter-13mm	EZLabpure™ Glass Fiber (GF) Syringe Filter-25mm
Housing	Polypropylene (pigment – free)	Polypropylene (pigment-free)
Filtration Area	1.3 cm ²	4.6 cm ²
Maximum Pressure	100 psi (6.9 bar)	75 psi (5.2 bar)
Volume “hold-up” full housing with air purge	0.5 ml 50 µl (approx.)	1.4ml 250 µl (approx.)
Flow Direction	Flow should enter from the inlet	Flow should enter from the inlet
Inlet Connection	Female Luer lock	Female Luer lock
Outlet Connection	Male Luer	Male Luer
Sterilization	Autoclave at 121oC (131 oC Max) At 15 psi for 20 min	Autoclave at 121oC (131 oC Max) At 15 psi for 20 min
Glass Microfiber pre filtration media	100% borosilicate; MGF-1 µm-0.7 µm	100% borosilicate; MGF-1 µm-0.7 µm

Product Number	Description	Pack Size
742-2216-FLS	EZLabpure™ Hydrophilic Glass Fiber (GF) for Prefiltration Polyether sulfone (PES) High Particulate Syringe Filter, 0.22 µm, 25 mm, Non-sterile	100/PK
742-3216-FLS	EZLabpure™ Hydrophilic Glass Fiber (GF) for Prefiltration Polyether sulfone (PES) High Particulate Syringe Filter, 0.45 µm, 25 mm, Non-sterile	100/PK
74C-2116-FLS	EZLabpure™ Hydrophilic Glass Fiber (GF) Syringe Filters, 0.22 µm Pore Size Membrane for Prefiltration and Sample Prep, 13 mm, Non-sterile	100/PK
74C-2216-FLS	EZLabpure™ Hydrophilic Glass Fiber (GF) Syringe Filters, 0.22 µm Pore Size Membrane for Prefiltration and Sample Prep, 25 mm, Non-sterile,	100/PK
74C-3116-FLS	EZLabpure™ Hydrophilic Glass Fiber (GF) Syringe Filters, 0.45 µm Pore Size Membrane for Prefiltration and Sample Prep, 13 mm, Non-sterile	100/PK
74C-3216-FLS	EZLabpure™ Hydrophilic Glass Fiber (GF) Syringe Filters, 0.45 µm Pore Size Membrane for Prefiltration and Sample Prep, 25 mm, Non-sterile	100/PK
74P-2216-FLS	EZLabpure™ High Particulate Syringe Filter, 0.22 µm Hydrophilic PVDF w/ Glass Fiber Prefilter, 25 mm, non-sterile,100/PK	100/PK
74P-3216-FLS	EZLabpure™ High Particulate Syringe Filter, 0.45 µm Hydrophilic PVDF w/ Glass Fiber Prefilter, 25 mm, non-sterile,100/PK	100/PK

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EZLabpure™ Syringe Filter

744-2116-FLS	EZLabpure™ Hydrophilic Nylon Syringe Filters, 0.22 µm Pore Size Membrane for Prefiltration and Sample Prep, 13 mm, Non-sterile	100/PK
744-2216-FLS	EZLabpure™ Hydrophilic Nylon Syringe Filters, 0.22 µm Pore Size Membrane for Prefiltration and Sample Prep, 25 mm, Non-sterile	100/PK
744-3116-FLS	EZLabpure™ Hydrophilic Nylon Syringe Filters, 0.45 µm Pore Size Membrane for Prefiltration and Sample Prep, 13 mm, Non-sterile	100/PK
744-3216-FLS	EZLabpure™ Hydrophilic Nylon Syringe Filters, 0.45 µm Pore Size Membrane for Prefiltration and Sample Prep, 25 mm, Non-sterile	100/PK

741-2116-FLS	EZLabpure™ Hydrophilic Polyether Sulfone (PES) Syringe Filters, 0.22 µm Pore Size Membrane for Prefiltration and Sample Prep, 13 mm, Non-sterile	100/PK
741-2216-FLS	EZLabpure™ Hydrophilic Polyether Sulfone (PES) Syringe Filters, 0.22 µm Pore Size Membrane for Prefiltration and Sample Prep, 25 mm, Non-sterile	100/PK
741-3116-FLS	EZLabpure™ Hydrophilic Polyether Sulfone (PES) Syringe Filters, 0.45 µm Pore Size Membrane for Prefiltration and Sample Prep, 13 mm, Non-sterile	100/PK
741-3216-FLS	EZLabpure™ Hydrophilic Polyether Sulfone (PES) Syringe Filters, 0.45 µm Pore Size Membrane for Prefiltration and Sample Prep, 25 mm, Non-sterile	100/PK

74B-2116-FLS	EZLabpure™ Hydrophobic Polypropylene (PP) Syringe Filters, 0.22 µm Pore Size Membrane for Prefiltration and Sample Prep, 13 mm, Non-sterile	100/PK
74B-2216-FLS	EZLabpure™ Hydrophobic Polypropylene (PP) Syringe Filters, 0.22 µm Pore Size Membrane for Prefiltration and Sample Prep, 25 mm, Non-sterile	100/PK
74B-3116-FLS	EZLabpure™ Hydrophobic Polypropylene (PP) Syringe Filters, 0.45 µm Pore Size Membrane for Prefiltration and Sample Prep, 13 mm, Non-sterile	100/PK
74B-3216-FLS	EZLabpure™ Hydrophobic Polypropylene (PP) Syringe Filters, 0.45 µm Pore Size Membrane for Prefiltration and Sample Prep, 25 mm, Non-sterile	100/PK

748-2116-FLS	EZLabpure™ Hydrophilic PVDF Syringe Filters, 0.22 µm Pore Size Membrane for Prefiltration and Sample Prep, 13 mm, Non-sterile	100/PK
748-2216-FLS	EZLabpure™ Hydrophilic PVDF Syringe Filters, 0.22 µm Pore Size Membrane for Prefiltration and Sample Prep, 25 mm, Non-sterile	100/PK
748-2416-FLS	EZLabpure™ Hydrophilic PVDF Syringe Filters, 0.22 µm Pore Size Membrane for Prefiltration and Sample Prep, 33 mm, Non-sterile	100/PK
748-3116-FLS	EZLabpure™ Hydrophilic PVDF Syringe Filters, 0.45 µm Pore Size Membrane for Prefiltration and Sample Prep, 13 mm, Non-sterile	100/PK
748-3216-FLS	EZLabpure™ Hydrophilic PVDF Syringe Filters, 0.45 µm Pore Size Membrane for Prefiltration and Sample Prep, 25 mm, Non-sterile	100/PK
748-3416-FLS	EZLabpure™ Hydrophilic PVDF Syringe Filters, 0.45 µm Pore Size Membrane for Prefiltration and Sample Prep, 33 mm, Non-sterile	100/PK