

K_x Syringe Filters

- Comprehensive range of membranes
- Colour coded for easy identification
- Solvent resistant housing with minimal extractables
- Leak-free Luer-lok and Luer connections
- User-friendly storage options
- Available with integral pre-filter
- Bulk pack options available

New membranes available:
*Regenerated Cellulose,
Hydrophilic PTFE and
Hydrophilic PVDF*

Kinesis KX Syringe Filters is a comprehensive range of non-sterile disposable syringe filters for reliable sample preparation. Reproducible membrane quality and automated manufacturing processes ensure particulates are removed from each and every sample, extending analytical column lifetime and minimising injection port or valve damage.

Utilising the standard Luer-lok/Luer connections, KX Syringe Filters are available in 0.22 and 0.45µm porosities and 4, 13, 25 and 30mm diameters. KX Syringe Filters are available in a wide selection of membranes, including Nylon, PTFE and PVDF, supporting all common sample preparation applications.

The use of retainer ring seals the polypropylene housing, preventing leaking and sample loss.

All KX Syringe Filters are colour coded, allowing easy identification of an individual filter, ensuring the correct filter is selected for each sample.

KX Syringe Filters are supplied in re-sealable containers allowing easy storage and preventing contamination during multiple opening/closing.

For particulate laden samples, KX Syringe Filters are also available with an integral depth filter.



Nylon

- Hydrophilic surface, good solvent resistance and medium protein binding
- Filtration of all aqueous samples and most organic solvents
- Strong mechanical stability
- Excellent chemical compatibility (esters, bases, phenol and alcohols)

Without pre-filter		
PART NUMBER	DESCRIPTION	PACK SIZE
ESF-NY-04-022	Nylon 4mm, 0.22µm	100
ESF-NY-04-045	Nylon 4mm, 0.45µm	100
ESF-NY-13-022	Nylon 13mm, 0.22µm	100
ESF-NY-13-045	Nylon 13mm, 0.45µm	100
ESF-NY-25-022	Nylon 25mm, 0.22µm	100
ESF-NY-25-045	Nylon 25mm, 0.45µm	100
ESF-NY-30-022	Nylon 30mm, 0.22µm	100
ESF-NY-30-045	Nylon 30mm, 0.45µm	100

With integral pre-filter		
PART NUMBER	DESCRIPTION	PACK SIZE
ESF-NY-13-022-PF	Nylon 13mm, 0.22µm with pre-filter	100
ESF-NY-13-045 PF	Nylon 13mm, 0.45µm with pre-filter	100
ESF-NY-25-022 PF	Nylon 25mm, 0.22µm with pre-filter	100
ESF-NY-25-045 PF	Nylon 25mm, 0.45µm with pre-filter	100
ESF-NY-30-022 PF	Nylon 30mm, 0.22µm with pre-filter	100
ESF-NY-30-045 PF	Nylon 30mm, 0.45µm with pre-filter	100

PTFE

- Highest solvent resistance and high protein binding
- Filtration of non-aqueous or solvent based samples
- Condition with methanol or ethanol prior to aqueous samples filtration
- Extremely broad chemical and thermal compatibility
- Recommended for strong acids and bases

Without pre-filter		
PART NUMBER	DESCRIPTION	PACK SIZE
ESF-PT-04-022	PTFE 4mm, 0.22µm	100
ESF-PT-04-045	PTFE 4mm, 0.45µm	100
ESF-PT-13-022	PTFE 13mm, 0.22µm	100
ESF-PT-13-045	PTFE 13mm, 0.45µm	100
ESF-PT-25-022	PTFE 25mm, 0.22µm	100
ESF-PT-25-045	PTFE 25mm, 0.45µm	100
ESF-PT-30-022	PTFE 30mm, 0.22µm	100
ESF-PT-30-045	PTFE 30mm, 0.45µm	100

With integral pre-filter		
PART NUMBER	DESCRIPTION	PACK SIZE
ESF-PT-13-022-PF	PTFE 13mm, 0.22µm with pre-filter	100
ESF-PT-13-045-PF	PTFE 13mm, 0.45µm with pre-filter	100
ESF-PT-25-022-PF	PTFE 25mm, 0.22µm with pre-filter	100
ESF-PT-25-045-PF	PTFE 25mm, 0.45µm with pre-filter	100
ESF-PT-30-022-PF	PTFE 30mm, 0.22µm with pre-filter	100
ESF-PT-30-045-PF	PTFE 30mm, 0.45µm with pre-filter	100

Hydrophilic PTFE

- Low protein binding
- Particulate removal from aqueous and organic solutions
- High flow rates with minimal aqueous extractables
- Wide range of working temperature
- Recommended for filtering HPLC samples and mobile phases
- Compatible with organic solvents and strong alkaline solutions

Without pre-filter		
PART NUMBER	DESCRIPTION	PACK SIZE
ESF-PTH-13-022	Hydrophilic PTFE 13mm, 0.22µm	100
ESF-PTH-13-045	Hydrophilic PTFE 13mm, 0.45µm	100
ESF-PTH-25-022	Hydrophilic PTFE 25mm, 0.22µm	100
ESF-PTH-25-045	Hydrophilic PTFE 25mm, 0.45µm	100
ESF-PTH-30-022	Hydrophilic PTFE 30mm, 0.22µm	100
ESF-PTH-30-045	Hydrophilic PTFE 30mm, 0.45µm	100

With integral pre-filter		
PART NUMBER	DESCRIPTION	PACK SIZE
ESF-PTH-13-022-PF	Hydrophilic PTFE 13mm, 0.22µm with pre-filter	100
ESF-PTH-13-045-PF	Hydrophilic PTFE 13mm, 0.45µm with pre-filter	100
ESF-PTH-25-022-PF	Hydrophilic PTFE 25mm, 0.22µm with pre-filter	100
ESF-PTH-25-045-PF	Hydrophilic PTFE 25mm, 0.45µm with pre-filter	100
ESF-PTH-30-022-PF	Hydrophilic PTFE 30mm, 0.22µm with pre-filter	100
ESF-PTH-30-045-PF	Hydrophilic PTFE 30mm, 0.45µm with pre-filter	100

Polypropylene

- Hydrophobic
- High solvent resistance
- Lower protein binding
- General filtration of biological samples, solvents, deionised water and reducing biological load
- Filtration of all aqueous and most solvent based samples

Without pre-filter		
PART NUMBER	DESCRIPTION	PACK SIZE
ESF-PT-04-022	Polypropylene 4mm, 0.22µm	100
ESF-PT-04-045	Polypropylene 4mm, 0.45µm	100
ESF-PT-13-022	Polypropylene 13mm, 0.22µm	100
ESF-PT-13-045	Polypropylene 13mm, 0.45µm	100
ESF-PT-25-022	Polypropylene 25mm, 0.22µm	100
ESF-PT-25-045	Polypropylene 25mm, 0.45µm	100
ESF-PT-30-022	Polypropylene 30mm, 0.22µm	100
ESF-PT-30-045	Polypropylene 30mm, 0.45µm	100



PES

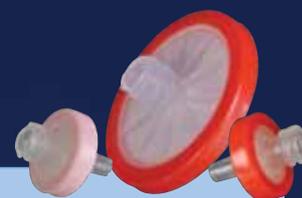
- Naturally hydrophilic and low protein binding
- Ideal for aqueous based samples
- Fast flow rate and high throughput
- General filtration of biological samples

Without pre-filter		
PART NUMBER	DESCRIPTION	PACK SIZE
ESF-PES-04-022	PES 4mm, 0.22µm	100
ESF-PES-04-045	PES 4mm, 0.45µm	100
ESF-PES-13-022	PES 13mm, 0.22µm	100
ESF-PES-13-045	PES 13mm, 0.45µm	100
ESF-PES-25-022	PES 25mm, 0.22µm	100
ESF-PES-25-045	PES 25mm, 0.45µm	100
ESF-PES-30-022	PES 30mm, 0.22µm	100
ESF-PES-30-045	PES 30mm, 0.45µm	100

With integral pre-filter		
PART NUMBER	DESCRIPTION	PACK SIZE
ESF-PES-13-022-PF	PES 13mm, 0.22µm with pre-filter	100
ESF-PES-13-045-PF	PES 13mm, 0.45µm with pre-filter	100
ESF-PES-25-022-PF	PES 25mm, 0.22µm with pre-filter	100
ESF-PES-25-045-PF	PES 25mm, 0.45µm with pre-filter	100
ESF-PES-30-022-PF	PES 30mm, 0.22µm with pre-filter	100
ESF-PES-30-045-PF	PES 30mm, 0.45µm with pre-filter	100

PVDF

- Broad chemical compatibility and low UV absorbing extractables
- Highly resistant to most solvents and low protein binding
- General filtration of biological samples
- Filtration of all aqueous and most solvent based samples
- Filtration of proteins and tissue cultures



Without pre-filter		
PART NUMBER	DESCRIPTION	PACK SIZE
ESF-PV-04-022	PVDF 4mm, 0.22µm	100
ESF-PV-04-045	PVDF 4mm, 0.45µm	100
ESF-PV-13-022	PVDF 13mm, 0.22µm	100
ESF-PV-13-045	PVDF 13mm, 0.45µm	100
ESF-PV-25-022	PVDF 25mm, 0.22µm	100
ESF-PV-25-045	PVDF 25mm, 0.45µm	100
ESF-PV-30-022	PVDF 30mm, 0.22µm	100
ESF-PV-30-045	PVDF 30mm, 0.45µm	100

With integral pre-filter		
PART NUMBER	DESCRIPTION	PACK SIZE
ESF-PV-13-022-PF	PVDF 13mm, 0.22µm with pre-filter	100
ESF-PV-13-045-PF	PVDF 13mm, 0.45µm with pre-filter	100
ESF-PV-25-022-PF	PVDF 25mm, 0.22µm with pre-filter	100
ESF-PV-25-045-PF	PVDF 25mm, 0.45µm with pre-filter	100
ESF-PV-30-022-PF	PVDF 30mm, 0.22µm with pre-filter	100
ESF-PV-30-045-PF	PVDF 30mm, 0.45µm with pre-filter	100

Hydrophilic PVDF

- Modified PVDF membrane for inherent water wettability
- Extremely low protein and preservative binding
- Compatible with a wide range of solvents, acids and chemicals
- Extremely low extractables
- Filtration of antibiotics, vaccines, diagnostics, serum, tissue culture media and media additives
- Clarification and purification of deionised water, aqueous solvents, acids, bases and plating solutions

Without pre-filter		
PART NUMBER	DESCRIPTION	PACK SIZE
ESF-PVH-13-022	Hydrophilic PVDF 13mm, 0.22µm	100
ESF-PVH-13-045	Hydrophilic PVDF 13mm, 0.45µm	100
ESF-PVH-25-022	Hydrophilic PVDF 25mm, 0.22µm	100
ESF-PVH-25-045	Hydrophilic PVDF 25mm, 0.45µm	100
ESF-PVH-30-022	Hydrophilic PVDF 30mm, 0.22µm	100
ESF-PVH-30-045	Hydrophilic PVDF 30mm, 0.45µm	100

With integral pre-filter		
PART NUMBER	DESCRIPTION	PACK SIZE
ESF-PVH-13-022-PF	Hydrophilic PVDF 13mm, 0.22µm with pre-filter	100
ESF-PVH-13-045-PF	Hydrophilic PVDF 13mm, 0.45µm with pre-filter	100
ESF-PVH-25-022-PF	Hydrophilic PVDF 25mm, 0.22µm with pre-filter	100
ESF-PVH-25-045-PF	Hydrophilic PVDF 25mm, 0.45µm with pre-filter	100
ESF-PVH-30-022-PF	Hydrophilic PVDF 30mm, 0.22µm with pre-filter	100
ESF-PVH-30-045-PF	Hydrophilic PVDF 30mm, 0.45µm with pre-filter	100

Mixed Cellulose Esters (MCE)

- Improved hydrophilic character and very low protein binding
- Improved aqueous sample flow and molecular weight cut off
- Ideal for aqueous based samples, tissue culture and sensitive biological samples
- Lower chemical resistance

Without pre-filter		
PART NUMBER	DESCRIPTION	PACK SIZE
ESF-MC-04-022	Mixed Cellulose Esters 4mm, 0.22µm	100
ESF-MC-04-045	Mixed Cellulose Esters 4mm, 0.45µm	100
ESF-MC-13-022	Mixed Cellulose Esters 13mm, 0.22µm	100
ESF-MC-13-045	Mixed Cellulose Esters 13mm, 0.45µm	100
ESF-MC-25-022	Mixed Cellulose Esters 25mm, 0.22µm	100
ESF-MC-25-045	Mixed Cellulose Esters 25mm, 0.45µm	100
ESF-MC-30-022	Mixed Cellulose Esters 30mm, 0.22µm	100
ESF-MC-30-045	Mixed Cellulose Esters 30mm, 0.45µm	100

With integral pre-filter		
PART NUMBER	DESCRIPTION	PACK SIZE
ESF-MC-13-022-PF	Mixed Cellulose Esters 13mm, 0.22µm with pre-filter	100
ESF-MC-13-045-PF	Mixed Cellulose Esters 13mm, 0.45µm with pre-filter	100
ESF-MC-25-022-PF	Mixed Cellulose Esters 25mm, 0.22µm with pre-filter	100
ESF-MC-25-045-PF	Mixed Cellulose Esters 25mm, 0.45µm with pre-filter	100
ESF-MC-30-022-PF	Mixed Cellulose Esters 30mm, 0.22µm with pre-filter	100
ESF-MC-30-045-PF	Mixed Cellulose Esters 30mm, 0.45µm with pre-filter	100

Regenerated Cellulose

- Hydrophilic
- Easily wettable
- Resistant to most solvents and aqueous solutions (pH range 3-12)
- Low non-specific adsorption
- Particle removal from solvents
- Mobile phase filtration for HPLC

Without pre-filter		
PART NUMBER	DESCRIPTION	PACK SIZE
ESF-RC-13-022	Regenerated Cellulose 13mm, 0.22µm	100
ESF-RC-13-045	Regenerated Cellulose 13mm, 0.45µm	100
ESF-RC-25-022	Regenerated Cellulose 25mm, 0.22µm	100
ESF-RC-25-045	Regenerated Cellulose 25mm, 0.45µm	100
ESF-RC-30-022	Regenerated Cellulose 30mm, 0.22µm	100
ESF-RC-30-045	Regenerated Cellulose 30mm, 0.45µm	100

With integral pre-filter		
PART NUMBER	DESCRIPTION	PACK SIZE
ESF-RC-13-022-PF	Regenerated Cellulose 13mm, 0.22µm with pre-filter	100
ESF-RC-13-045-PF	Regenerated Cellulose 13mm, 0.45µm with pre-filter	100
ESF-RC-25-022-PF	Regenerated Cellulose 25mm, 0.22µm with pre-filter	100
ESF-RC-25-045-PF	Regenerated Cellulose 25mm, 0.45µm with pre-filter	100
ESF-RC-30-022-PF	Regenerated Cellulose 30mm, 0.22µm with pre-filter	100
ESF-RC-30-045-PF	Regenerated Cellulose 30mm, 0.45µm with pre-filter	100

Glass Fibre

- Borosilicate glass fibre
- Broad chemical compatibility
- Suitable for high throughput pre-filtration of viscous and particulate-laden samples
- Use alone or in series with another KX Syringe Filters
- Removes particulates that interfere with UV/VIS spectrophotometric analysis

Without pre-filter		
PART NUMBER	DESCRIPTION	PACK SIZE
ESF-GF-13-022	Glass Fibre, 13mm, 0.22µm	100
ESF-GF-13-045	Glass Fibre, 13mm, 0.45µm	100
ESF-GF-13-100	Glass Fibre, 13mm, 1µm	100
ESF-GF-25-022	Glass Fibre, 25mm, 0.22µm	100
ESF-GF-25-045	Glass Fibre, 25mm, 0.45µm	100
ESF-GF-25-100	Glass Fibre, 25mm, 1µm	100
ESF-GF-30-022	Glass Fibre, 30mm, 0.22µm	100
ESF-GF-30-045	Glass Fibre, 30mm, 0.45µm	100
ESF-GF-30-100	Glass Fibre, 30mm, 1µm	100

Specifications

Property	Diameter (mm)			
	4	13	25	30
Filter Area (cm ²)	0.1	0.65	3.9	4.5
Burst Pressure (psi)	75	100	100	100
Retain Volume (µl)	8	30	120	140
Sample Volume (ml)	2	6	70	90
Housing Material	Polypropylene			
Connector (inlet/outlet)	Female Luer-Lok/Male Luer			

Bulk pack sizes available upon request.



For more information and support please contact your local Kinesis office (see back page) or your nearest authorised Kinesis Distributor.

Global Kinesis

Kinesis is a leading international supplier of chromatography, liquid handling, sample storage and medicinal chemistry consumables and equipment. The company's products are used extensively in the pharmaceutical, environmental, forensic, life sciences, food, biotechnology and academic markets.

A privately owned company, Kinesis was established in 1997 and offers its customers a range of first class products, services and solutions. Kinesis has expanded its reach internationally with subsidiary offices in Australia, Germany and the USA. A network of international distributors ensures the Kinesis range of products is available on a worldwide basis.

Kinesis work with industry leading manufacturers, many on a global exclusive or preferred supplier basis. Key suppliers to the Kinesis Group include AccuStandard, Cerilliant, ChromSword, Corning, Diba Industries, GL Sciences, Hamamatsu, Heraeus, HTL, IDEX Health & Science, Lipomed, Micronic, Microsaic, Parker domnick hunter, SGE Analytical Science, Tosoh Bioscience and YMC.

The Kinesis UK facility houses state of art processes for the pre-alignment of deuterium lamps. Approved by the world's two leading lamp manufacturers, Hamamatsu and Heraeus, these accredited processes have helped Kinesis become the world's largest 3rd party provider of pre-aligned deuterium lamps. Pipette service and calibration suites at both the UK and German locations offer back to base or field-based pipette service and calibration. The UK facility is UKAS accredited, offering services in line with today's market requirements.

KLTD-1536-0915



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 **Kinesis**
Scientific Experts

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Sterile Syringe Filters

- Sterile filtration and clarification
- ETO sterilised
- Comprehensive choice of membranes
- Colour-coded for easy identification
- 13 and 25mm diameter options
- 0.22 and 0.45µm porosities
- Leak-free Luer-lok and Luer connections



The Kinesis range of KX Sterile Syringe Filters offer a comprehensive range of membranes in 13 and 25mm diameters and 0.22 and 0.45µm porosities for sterile filtration and clarification.



The range of membranes exhibit the same solvent compatibility characteristics and application areas as their non-sterile equivalent (please request the Kinesis KX Syringe Filter Application Guide).

Applications include:

- Clarification of sterile solutions
- Sterile filtration, including DMSO
- Cell culture media prep
- Sterile filtration and Mycoplasma removal

The filters are individually sealed, maintaining the sterility from the original controlled manufacturing environment.

As well as the stringent and controlled manufacturing conditions used to sterilise KX Syringe Filters, all KX Sterile Syringe Filters exhibit the same physical specifications as the non-sterile equivalent.

PROPERTY	DIAMETER (mm)	
	13	25
Filter Area (cm ²)	0.65	3.9
Burst Pressure (psi)	100	100
Retain Volume (µl)	30	120
Sample Volume (ml)	6	70
Housing Material	Polypropylene	
Connection (inlet/outlet)	Female Luer-lok/Male Luer	

Syringe Filter Membrane Selection Guide

Cellulose Acetate

- Naturally hydrophilic membrane
- Low protein binding; suitable for use with aqueous protein solutions
- Nitrate free; suitable for groundwater filtration
- Uniform pore size

Mixed Cellulose Esters (MCE)

- Improved hydrophilic character and very low protein binding
- Improved aqueous sample flow and molecular weight cut off
- Ideal for aqueous based samples, tissue culture and sensitive biological samples
- Lower chemical resistance

Nylon

- Hydrophilic surface, good solvent resistance and medium protein binding
- Filtration of all aqueous samples and most organic solvents
- Strong mechanical stability
- Excellent chemical compatibility (esters, bases, phenol and alcohols)

PES

- Naturally hydrophilic and low protein binding
- Ideal for aqueous based samples
- Fast flow rate and high throughput
- General filtration of biological samples

PTFE

- Highest solvent resistance and high protein binding
- Filtration of non-aqueous or solvent based samples
- Condition with methanol or ethanol prior to aqueous sample filtration
- Extremely broad chemical and thermal compatibility
- Recommended for strong acids and bases

PVDF

- Broad chemical compatibility and low UV absorbing extractables
- Highly resistant to most solvents and low protein binding
- General filtration of biological samples
- Filtration of all aqueous and most solvent based samples
- Filtration of proteins and tissue cultures

Regenerated Cellulose

- Hydrophilic
- Easily wettable
- Resistant to most solvents and aqueous solutions (pH range 3 - 12)
- Low non-specific adsorption
- Particle removal from solvents
- Mobile phase filtration for HPLC



Ordering Information

All KX Sterile Syringe Filters are available in 13 and 25mm diameters and 0.22 and 0.45µm porosities.

PART NUMBER	DESCRIPTION	COLOUR	PACK SIZE
Cellulose Acetate			
SFS-CA-13-022	KX Sterile Syringe Filter, Cellulose Acetate, 13mm, 0.22µm	White	48
SFS-CA-13-045	KX Sterile Syringe Filter, Cellulose Acetate, 13mm, 0.45µm	Pale Blue	48
SFS-CA-25-022	KX Sterile Syringe Filter, Cellulose Acetate, 25mm, 0.22µm	White	50
SFS-CA-25-045	KX Sterile Syringe Filter, Cellulose Acetate, 25mm, 0.45µm	Pale Blue	50
Mixed Cellulose Esters			
SFS-MC-13-022	KX Sterile Syringe Filter, Mixed Cellulose Esters, 13mm, 0.22µm	Orange	48
SFS-MC-13-045	KX Sterile Syringe Filter, Mixed Cellulose Esters, 13mm, 0.45µm	Brown	48
SFS-MC-25-022	KX Sterile Syringe Filter, Mixed Cellulose Esters, 25mm, 0.22µm	Orange	50
SFS-MC-25-045	KX Sterile Syringe Filter, Mixed Cellulose Esters, 25mm, 0.45µm	Brown	50
Nylon			
SFS-NY-13-022	KX Sterile Syringe Filter, Nylon, 13mm, 0.22µm	Blue	48
SFS-NY-13-045	KX Sterile Syringe Filter, Nylon, 13mm, 0.45µm	Light Blue	48
SFS-NY-25-022	KX Sterile Syringe Filter, Nylon, 25mm, 0.22µm	Blue	50
SFS-NY-25-045	KX Sterile Syringe Filter, Nylon, 25mm, 0.45µm	Light Blue	50
PES			
SFS-PES-13-022	KX Sterile Syringe Filter, PES, 13mm, 0.22µm	Red	48
SFS-PES-13-045	KX Sterile Syringe Filter, PES, 13mm, 0.45µm	Pink	48
SFS-PES-25-022	KX Sterile Syringe Filter, PES, 25mm, 0.22µm	Red	50
SFS-PES-25-045	KX Sterile Syringe Filter, PES, 25mm, 0.45µm	Pink	50
PTFE			
SFS-PT-13-022	KX Sterile Syringe Filter, PTFE, 13mm, 0.22µm	Green	48
SFS-PT-13-045	KX Sterile Syringe Filter, PTFE, 13mm, 0.45µm	White	48
SFS-PT-25-022	KX Sterile Syringe Filter, PTFE, 25mm, 0.22µm	Green	50
SFS-PT-25-045	KX Sterile Syringe Filter, PTFE, 25mm, 0.45µm	White	50
PVDF			
SFS-PV-13-022	KX Sterile Syringe Filter, PVDF, 13mm, 0.22µm	Pale Orange	48
SFS-PV-13-045	KX Sterile Syringe Filter, PVDF, 13mm, 0.45µm	Pale Red	48
SFS-PV-25-022	KX Sterile Syringe Filter, PVDF, 25mm, 0.22µm	Pale Orange	50
SFS-PV-25-045	KX Sterile Syringe Filter, PVDF, 25mm, 0.45µm	Pale Red	50
Regenerated Cellulose			
SFS-RC-13-022	KX Sterile Syringe Filter, Regenerated Cellulose, 13mm, 0.22µm	Dark Blue	48
SFS-RC-13-045	KX Sterile Syringe Filter, Regenerated Cellulose, 13mm, 0.45µm	Yellow	48
SFS-RC-25-022	KX Sterile Syringe Filter, Regenerated Cellulose, 25mm, 0.22µm	Dark Blue	50
SFS-RC-25-045	KX Sterile Syringe Filter, Regenerated Cellulose, 25mm, 0.45µm	Yellow	50

Other filtration products available from Kinesis

New membranes available:
 Regenerated Cellulose,
 Hydrophilic PTFE and
 Hydrophilic PVDF

Syringe Filters

- Comprehensive range of membranes
- Colour coded for easy identification
- Solvent resistant housing with minimal extractables
- Leak-free Luer-Lok and Luer connections
- User-friendly storage options
- Available with integral pre-filter
- Bulk pack options available

Kinesis KK Syringe Filters is a comprehensive range of non-sterile, disposable syringe filters for reliable sample preparation. Reproducible membrane quality and automated manufacturing processes ensure particulates are removed from each and every sample, extending analytical column lifetime and minimising injection port or valve damage.

Utilising the standard Luer-Lok/Luer connections, KK Syringe Filters are available in 0.22 and 0.45µm pore sizes and 4, 13, 25 and 50mm diameters. KK Syringe Filters are available in a wide selection of membranes, including Nylon, PTFE and PVDF, supporting all common sample preparation applications.

The use of retarder ring seals the polycarbonate housing, preventing leaking and sample loss.

All KK Syringe Filters are colour coded, allowing easy identification of an individual filter, ensuring the correct filter is selected for each sample.

KK Syringe Filters are supplied in re-sealable containers allowing easy storage and preventing contamination during multiple opening/closing.

For particulate laden samples, KK Syringe Filters are also available with an integral depth filter.



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Membrane Filters and Filtration System

- Allows testing of large sample volumes
- Reduces preparation time compared to traditional filtration methods
- Isolation of discrete colonies of bacteria
- Drinking water monitoring
- Bacterial monitoring in the pharmaceutical, food and beverage samples, cosmetics and electronics
- HPLC mobile phase filtration

Membrane Filters

Membrane filters are microporous films with specific pore size specifications. The membranes retain particles and microorganisms that are greater than the pore specification, acting as a physical barrier and holding back the particles on the surface of the membrane.

KK Membrane Filters are available in a range of membranes, diameters and pore sizes that make them suitable for a wide range of analytical and life science applications.

Membrane Filtration Systems for 47mm Membranes

Designed for rapid filtration of particulate matter from large volumes, these units offer excellent value. Filter valuable samples and protect HPLC instruments and columns from mobile phase particulates. The vacuum filter assembly comes with a reservoir and receiving flask. A 47mm diameter membrane filter is placed between the filter plate support and the reservoir, secured in place with a clamp. The reservoir is connected to the receiving flask by a vacuum-tight ground-glass joint. Connect the receiving flask to the vacuum line to start filtration.



Kinesis
Scientific Experts

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Membrane Filters and Filtration System

- **Allows testing of large sample volumes**
- **Reduces preparation time compared to traditional filtration methods**
- **Isolation of discrete colonies of bacteria**
- **Drinking water monitoring**
- **Bacterial monitoring in pharmaceutical, food and beverage samples, cosmetics and electronics**
- **HPLC mobile phase filtration**

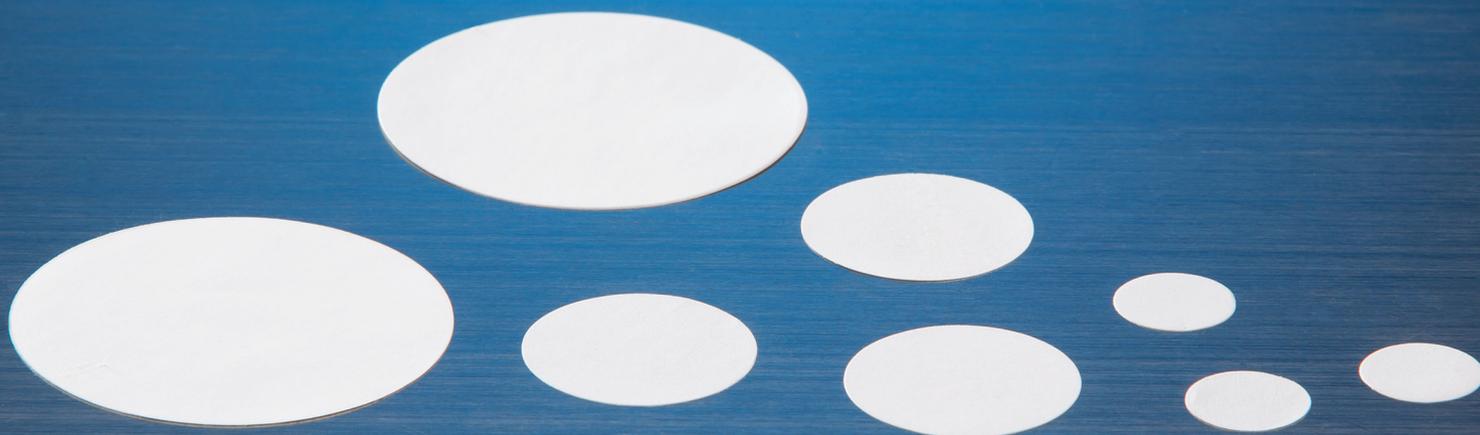
Membrane Filters

Membrane filters are microporous films with specific pore size specifications. The membranes retain particles and microorganisms that are greater than the pore specification, acting as a physical barrier and holding back the particles on the surface of the membrane.

KX Membrane Filters are available in a range of membranes, diameters and porosities that make them suitable for a wide range of analytical and life science applications.

Membrane Filtration Systems for 47mm Membranes

Designed for rapid filtration of particulate matter from large volumes, these units offer excellent value. Filter valuable samples and protect HPLC instruments and columns from mobile phase particulates. This vacuum filter assembly comes with a reservoir and receiving flask. A 47mm diameter membrane filter is placed between the fritted glass support and the reservoir, secured in place with a clamp. The reservoir is connected to the receiving flask by a vacuum-tight ground-glass joint. Connect the receiving flask to the vacuum line to start filtration.



Ordering Information

Membrane Filters

PART NUMBER	DESCRIPTION	PACK SIZE
Hydrophilic PVDF		
MF-PVH-013-022	KX Membrane Filter, Hydrophilic PVDF, 13mm, 0.22µm	100
MF-PVH-013-045	KX Membrane Filter, Hydrophilic PVDF, 13mm, 0.45µm	100
MF-PVH-025-022	KX Membrane Filter, Hydrophilic PVDF, 25mm, 0.22µm	100
MF-PVH-025-045	KX Membrane Filter, Hydrophilic PVDF, 25mm, 0.45µm	100
MF-PVH-047-022	KX Membrane Filter, Hydrophilic PVDF, 47mm, 0.22µm	100
MF-PVH-047-045	KX Membrane Filter, Hydrophilic PVDF, 47mm, 0.45µm	100
Mixed Cellulose Esters		
MF-MC-013-022	KX Membrane Filter, Mixed Cellulose Esters, 13mm, 0.22µm	100
MF-MC-013-045	KX Membrane Filter, Mixed Cellulose Esters, 13mm, 0.45µm	100
MF-MC-025-022	KX Membrane Filter, Mixed Cellulose Esters, 25mm, 0.22µm	100
MF-MC-025-045	KX Membrane Filter, Mixed Cellulose Esters, 25mm, 0.45µm	100
MF-MC-047-022	KX Membrane Filter, Mixed Cellulose Esters, 47mm, 0.22µm	100
MF-MC-047-045	KX Membrane Filter, Mixed Cellulose Esters, 47mm, 0.45µm	100
Nylon		
MF-NY-013-022	KX Membrane Filter, Nylon, 13mm, 0.22µm	100
MF-NY-013-045	KX Membrane Filter, Nylon, 13mm, 0.45µm	100
MF-NY-025-022	KX Membrane Filter, Nylon, 25mm, 0.22µm	100
MF-NY-025-045	KX Membrane Filter, Nylon, 25mm, 0.45µm	100
MF-NY-047-022	KX Membrane Filter, Nylon, 47mm, 0.22µm	100
MF-NY-047-045	KX Membrane Filter, Nylon, 47mm, 0.45µm	100
PTFE		
MF-PT-013-022	KX Membrane Filter, PTFE, 13mm, 0.22µm	100
MF-PT-013-045	KX Membrane Filter, PTFE, 13mm, 0.45µm	100
MF-PT-025-022	KX Membrane Filter, PTFE, 25mm, 0.22µm	100
MF-PT-025-045	KX Membrane Filter, PTFE, 25mm, 0.45µm	100
MF-PT-047-022	KX Membrane Filter, PTFE, 47mm, 0.22µm	100
MF-PT-047-045	KX Membrane Filter, PTFE, 47mm, 0.45µm	100

Membrane Filtration Systems for 47mm Membranes

PART NUMBER	DESCRIPTION	PACK SIZE
MPFS-300-1	Membrane Filtration System (47mm), 300ml/1L	1
MPFS-500-2	Membrane Filtration System (47mm), 500ml/2L	1

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