thermo scientific

Thermo Scientific Choice Syringe Filters

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Membrane Type	Pore Size (µm)	Outside Diameter (mm)	Part Number	Pack Size
NYLON	0.2	13	CH2213-NN	100
	0.2	25	CH2225-NN	100
	0.45	13	CH4513-NN	100
	0.45	25	CH4525-NN	100
PTFE (HYDROPHILIC)	0.2	13	CH2213-NPL	100
	0.2	25	CH2225-NPL	100
	0.45	13	CH4513-NPL	100
	0.45	25	CH4525-NPL	100
PTFE (HYDROPHOBIC)	0.2	13	CH2213-NP	100
	0.2	25	CH2225-NP	100
	0.45	13	CH4513-NP	100
	0.45	25	CH4525-NP	100
REGENERATED CELLULOSE	0.2	13	CH2213-RC	100
	0.2	25	CH2225-RC	100
	0.45	13	CH4513-RC	100
	0.45	25	CH4525-RC	100
POLYPROPYLENE	0.2	13	CH2213-PP	100
	0.2	25	CH2225-PP	100
	0.45	13	CH4513-PP	100
	0.45	25	CH4525-PP	100
PVDF (HYDROPHILIC)	0.2	13	CH2213-PV	100
	0.2	25	CH2225-PV	100
	0.45	13	CH4513-PV	100
	0.45	25	CH4525-PV	100
PVDF (HYDROPHOBIC)	0.2	13	CH2213-PVH	100
	0.2	25	CH2225-PVH	100
	0.45	13	CH4513-PVH	100
	0.45	25	CH4525-PVH	100
CELLULOSE ACETATE	0.2	13	CH2213-CA	100
	0.2	25	CH2225-CA	100
	0.45	13	CH4513-CA	100
	0.45	25	CH4525-CA	100
POLYETHERSULFONE	0.2	13	CH2213-PES	100
	0.2	25	CH2225-PES	100
	0.45	13	CH4513-PES	100
	0.45	25	CH4525-PES	100

Thermo Scientific All-Plastic Disposable Syringes

	Capacity (mL)	Part Number	Pack Size
LUER-SLIP PLASTIC SYRINGES	1	S7510-1	100
	3	S7510-3	100
	5	S7510-5	100
	10	S7510-10	100
	20	S7510-20	100
	30	S7510-30	50
	50	S7510-50	30
LUER-LOCK PLASTIC SYRINGES	3	S7515-3	100
	5	S7515-5	100
	10	S7515-10	100
	20	S7515-20	100
	30	S7515-30	50
	50	S7515-50	30

Thermo Scientific™ Choice Syringe Filters are economic, high-quality filtration products used to remove particles and microorganisms in the sample preparation process, enabling you to provide consistent and reliable experimental results.

Choice Syringe Filters are available in a range of membrane types, pore sizes and dimensions to meet your application requirements and can be used in combination with Thermo Scientific™ All-Plastic Disposable Syringes.

ThermoFisher SCIENTIFIC

Specifications, Applications and Chemical Incompatibilities

Nylon

Specifications
Membrane: HPLC certified nylon
Maximum operating temperature: 100 °C
Housing: Medical grade, virgin polypropylene
Autoclave: Sterilize by dry heat at 121 °C for 15 minutes

Applications
- HPLC and organic-solvent sample preparation and clean-up
- Dissolution sample analysis
- General sample preparation
- Mixed sample matrix of aqueous or organic dissolved analytes

Chemical Incompatibilities
- Acids >1N
- Halogenated solvents
- Proteineous samples with high non-specific binding affinities

PTFE (Hydrophilic/Hydrophobic)

Hydrophilic PTFE filters do not require pre-wetting for use with aqueous samples. Hydrophobic PTFE filters require pre-wetting with an alcohol before use with aqueous samples.

Specifications
Membrane: HPLC certified PTFE, w/polypropylene support
Maximum operating temperature: 110 °C
Housing: Medical grade, virgin polypropylene
Autoclave: Sterilize by dry heat at 121 °C for 15 minutes

Applications
- HPLC and organic-solvent sample preparation and clean-up
- Dissolution sample analysis
- General sample preparation
- Elevated temperature samples, caustic or acidic solutions

Chemical Incompatibilities
- Perchloric acid
- Methylene chloride (limited exposure)
- Dioxane, DMF, formic acid >50%

Regenerated Cellulose

Specifications
Membrane: HPLC certified regenerated cellulose
Protein binding: <5 µg/cm2
Autoclave: Sterilize by dry heat at 121 °C for 15 minutes

Applications
- HPLC and organic-solvent sample preparation and clean-up
- Dissolution sample analysis, especially high-binding tablets or capsules
- Protein-based samples with high non-specific binding
- Sample analysis which require maximum recoveries
- Analysis requiring low non-specific binding over a wide pH range

Chemical Incompatibilities
- Sulfuric acid, hydrochloric acid, phosphoric acid or nitric acid >25%, DMF, phenols

Polypropylene

Specifications
Membrane: Hydrophilic polypropylene
Maximum operating temperature: 110 °C
Housing: Medical grade, virgin polypropylene

Applications
- Protein- or peptide-based assays
- General HPLC analysis

Chemical Incompatibilities
- Hexane, toluene, benzene, limited resistance to dichloromethane and chloroform

PVDF (Hydrophilic/Hydrophobic)

Hydrophilic PVDF syringe filters do not require pre-wetting for use with aqueous samples. Hydrophobic PVDF filters require pre-wetting with an alcohol before use with aqueous samples

Specifications
Membrane: HPLC certified PVDF
Maximum operating temperature: 100 °C
Housing: Medical grade, virgin polypropylene
Autoclave: Sterilize by dry heat at 121 °C for 15 minutes

Applications
- HPLC and organic-solvent sample preparation and clean-up
- Protein-based samples with high non-specific binding
- Environmental water samples

Chemical Incompatibilities
- DMF, DMSO, MEK, acetone and most caustic solutions >6N

Cellulose Acetate

For filtering of aqueous solutions or biological samples. A physically strong membrane which can be used with heated liquids.

Specifications
Membrane: HPLC certified
Maximum operating temperature: 110 °C
Housing: Medical grade, virgin polypropylene
Autoclave: Sterilize by dry heat at 121 °C for 15 minutes

Applications
- Protein-based samples with high nonspecific binding
- Sample analysis which require maximum recoveries

Chemical Incompatibilities
- Acids, NaOH, dichloromethane, chloroform,ketones, DMSO, THF

PES

Precise results in sensitive analysis of ionic analytes.

Specifications
Membrane: HPLC certified
Maximum operating temperature: 100 °C
Housing: Medical grade, virgin polypropylene
Autoclave: Sterilize by dry heat at 121 °C for 15 minutes

Applications
- IC sample preparation and analysis
- Dissolution testing

Chemical Incompatibilities
- Protein-based samples in aqueous solutions
- Concentrated acids, chloromethane, chloroform, hexane, acetone, MEK, THF, DMSO

Find out more at **thermofisher.com**

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