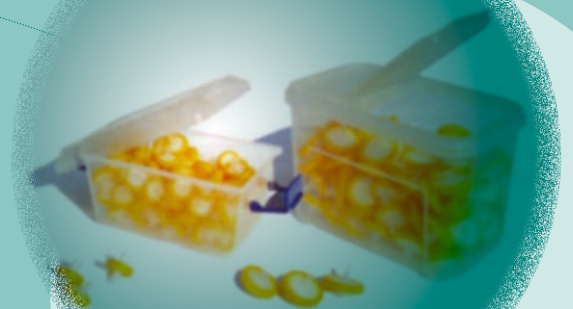
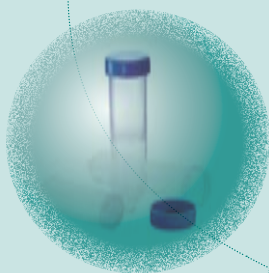


FILTRES SERINGUE



QUELS FILTRES SERINGUE CHOISIR ?

Type de membrane	Utilisation conseillée
NYLON	C'est la membrane la plus utilisée en HPLC et généralement pour les filtrations en Laboratoire. Le Nylon a l'avantage d'être hydrophyle tout en ayant une résistance remarquable à de nombreux solvants.
PTFE	Le PTFE est hydrophobe ce qui le destine naturellement pour la filtration des gaz et des solvants organiques mais aussi des acides ou bases concentrées.
CELLULOSE REGENEREE	La cellulose régénérée est une membrane spécialement intéressante par sa faible rétention des protéines sur la membrane en milieu aqueux. Elle est aussi compatible avec tous types de solvants ou solutions aqueuses de pH 3 à 12.
POLYPROPYLENE	Le polypropylène est hydrophobe, avec une résistance universelle aux solvants . Il autorise la filtration de nombreux échantillons tant en HPLC qu'en bioanalyse.

- Pression maximum : 75 psi
- Membrane scellée dans une monture en polypropylène inerte chimiquement.
- Filtres seringue non stériles.
- Connexion : entrée luer lock femelle - sortie luer male





GENERAL OVERVIEW

Filter Housing:	PP (polypropylene)
Filter type:	Non sterile
Membranes Selection:	PP (Polypropylene), Nylon, Nylon low extractables, PTFE, M.E.Celullose, Regenerated Celullose, PVDF, Glass Microfibre (GMF), Nitrocellulose, Polyether sulfone (PES).
Pore size:	0.2 - 0.45 and 1 µm
Pore size 0.45 µm:	Most of HPLC application.
Pore size 0.20 µm:	To be used in 2 cases: 1- In order to eliminate all bacterial contamination. 2- When using 3 µm HPLC column.

Process Description:

Teknokroma offers Syringe filters in 13 & 25 mm D with polypropylene housing. They are available in Nylon, Polypropylene, PTFE, M.E. Celullose, PVDF, Regenerated Celullose, Nitrocellulose, Polyether sulfone membranes. The porous size is 0.2 and 0.45 µm and Glass with 1 µm.

Syringes filters are of high quality and their level of extractables is very low. The encapsulating process forces the sample to pass only through the membrane.

The housing material is high quality polypropylene. It chemically resists in a wide range of chemical products and solvents.

Teknokroma's filters avoid any leak or any contamination due to high quality materials used.

The 25 mm D syringe filters have a low retention volume less than 100 µl. The recommended filter's volume is less than 100 ml depending on the sample.

Teknokroma filters guarantee very good results thanks to the quality controls done, and they can adapt in all kind of Luer-lock syringe.

All our filters have a different colour to be easily recognized. The packs contain 100 units.

13 mm D filter: maximum filtration volume: 5-10 ml
retention volume : 28 µm

25 mm D filter: maximum filtration volume: 100 ml
retention volume: 100 µm



NYLON-66 SYRINGE FILTERS WITH POLYPROPYLENE HOUSING

- Hydrophilic membrane.
- Excellent for HPLC samples, can be used for general filtration.
- High bubble point. Nylon has high protein retention.
- Nylon is compatible with organic or aqueous solutions, also can be used with bases, alcohols, aromatic hydrocarbons, THF. Don't use it with acids, or halogenated hydrocarbons.
- Teknokroma filters have different colours for easy identification.
- L.E. membrane, has low extractables, so it provides clear results.



Nylon 25 mm

Reference	Description
TR-200100	Nylon-66 Filter, green 0.45 µm, 25 mm D pk/100
TR-200101	Nylon-66 Filter, light green 0.20 µm, 25 mm D pk/100
TR-200475	Nylon-66 L.E. Filter, green, 0.45 µm, 25 mm D pk/100
TR-200470	Nylon-66 L.E. Filter light green 0.20 µm, 25 mm D pk/100

Nylon 13 mm

Reference	Description
TR-200500	Nylon-66 Filter, green 0.45 µm, 13 mm D pk/100
TR-200501	Nylon-66 Filter, light green 0.20 µm, 13 mm D pk/100
TR-200465	Nylon-66 L.E. Filter green 0.45 µm, 13 mm D pk/100
TR-200460	Nylon-66 L.E. Filter light green 0.20 µm, 13 mm D pk/100



PVDF SYRINGE FILTERS WITH POLYPROPYLENE HOUSING

- PVDF (Polyvinylidene difluoride) is a hydrophilic membrane.
- This membrane is solvent resistant and exhibits low levels of extractables.
- PVDF is a low protein binding membrane, and can be used with proteins and peptides.
- Can be used for sample filtration of aqueous and organic solvents.
- Don't use it with strong acids, bases or ketones.
- Ideal for all the HPLC applications and general biological filtration.



PVDF 25 mm

Reference	Description
TR-200106	PVDF Filter, red 0.45 μm , 25 mm D pk/100
TR-200107	PVDF Filter, rose 0.20 μm , 25 mm D pk/100



PVDF 13 mm

Reference	Description
TR-200506	PVDF Filter, red 0.45 μm , 13 mm D pk/100
TR-200507	PVDF Filter, rose, 0.20 μm , 13 mm D pk/100



Polypropylene 25 mm

Reference	Description
TR-200111	Polypropylene Filter, white 0.45 μm , 25 mm D pk/100
TR-200112	Polypropylene Filter, natural , 0.20 μm , 25 mm D pk/100

POLYPROPYLENE SYRINGE FILTERS WITH POLYPROPYLENE HOUSING

- Polypropylene is an hydrophilic membrane, with a high solvent resistance.
- Exhibits a wide range of chemical compatibility with organic solvents.
- It is ideal for biological sample filtration due to the low protein binding.
- All these characteristics make the good choice for chromatography protein analysis and biological sample filtration.
- Can be used with acids and bases, and general HPLC analysis.
- Limited resistance with chloroform and MeCl.



Polypropylene 13 mm

Reference	Description
TR-200509	Polypropylene Filter, white , 0.45 μm , 13 mm D pk/100
TR-200508	Polypropylene Filter, natural , 0.20 μm , 13 mm D pk/100



POLYETHERSULFONE PES SYRINGE FILTERS WITH PROPYLENE HOUSING

- Hydrophilic membrane, very low protein and nucleic acid binding and can be used with high temperature liquids.
- This membrane provides high flow rates and good throughput volume.
- The PES is a mechanically strong membrane, and can be used with strong bases, alcohols and resistive proteins.
- PES is the filter of choice for tissue culture work, has very low extractables.
- Good to excellent flow rates.
- Don't use it with acids, ketones, ester, halogenated or aromatic hydrocarbons.



Polyethersulfone PES with Propylene Housing 25 mm

Reference	Description
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TR-200401	Polyethersulfone, violet, 0,45 µm, 25 mm D pk/100
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Polyethersulfone PES with Propylene Housing 13 mm

Reference	Description
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TR-200403	Polyethersulfone, violet, 0,45 µm, 13 mm D pk/100
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PTFE (TEFLON) SYRINGE FILTERS WITH POLYPROPYLENE HOUSING

- The PTFE (polytetrafluoroethylene) is a hydrophobic membrane resistant to strong acids, aggressive solvents, alcohols, bases and aromatics. This membrane is ideal for filtration and degassing of chromatography solvents and also for extremely basic mobile phase solutions.
- Very low extractables.
- For sterile venting use 0,2 µm pore size, and for transducer protection or air/ gas filtration use 1 or 0,45 µm.
- Excellent thermal stability.
- It requires pre-wetting with an alcohol to use it with aqueous solutions.



PVDF 25 mm

Reference	Description
TR-200102	PTFE Filter, blue , 0.45 µm, 25 mm D. pk/100
TR-200103	PTFE Filter, light blue, 0.20 µm, 25 mm D. pk/100

PVDF 13 mm

Reference	Description
TR-200502	PTFE Filter, blue , 0.45 µm, 13 mm D. pk/100
TR-200503	PTFE Filter, light blue , 0.20 µm, 13 mm D. pk/100



REGENERATED CELLULOSE (RC) SYRINGE FILTERS WITH POLYPROPYLENE HOUSING

- Regenerated Cellulose is an hydrophilic solvent resistant and low protein binding membrane.
- This membrane removes particles from HPLC samples before the injection.
- It is also compatible with all HPLC solvents.
- The Regenerated Cellulose is compatible with aqueous samples in a pH range from 3 to 12. These membranes, can be used for biological samples filtration and it is important for proteins recuperation.
- The Regenerated Cellulose is the choice membrane for tissue culture media filtration as biological sample filtration. To improve the filtration use it with Glass pre-filter membrane.
- Don't use it with strong acids, chloroform, THF.



Regenerated Cellulose 25 mm

Reference	Description
TR-200445	Regenerated Cellulose Filter, brown ,0.45 µm, 25 mm D pk/100
TR-200440	Regenerated Cellulose Filter, light brown, 0.20 µm, 25 mm D pk/100



Regenerated Cellulose 13 mm

Reference	Description
TR-200435	Regenerated Cellulose Filter, brown, 0.45 µm, 13 mm D pk/100
TR-200430	Regenerated Cellulose Filter, light brown, 0.20 µm, 13 mm D pk/100



Cellulose Acetate (CA) 25 mm

Reference	Description
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TR-200406	Cellulose Acetate, orange, 0,45 µm, 25 mm D pk/100
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TR-200407	Cellulose Acetate, light orange, 0,20 µm, 25 mm D pk/100
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CELLULOSE ACETATE (CA) SYRINGE FILTER WITH PROPYLENE HOUSING

- Hydrophilic membrane.
- Ideal for aqueous based samples and for tissue culture media filtration and sensitive biological samples.
- Very low protein binding membrane, less than PVDF or PES.
- This membrane has a lower chemical resistance than Regenerated Cellulose.
- Don't use it with organic solvents.

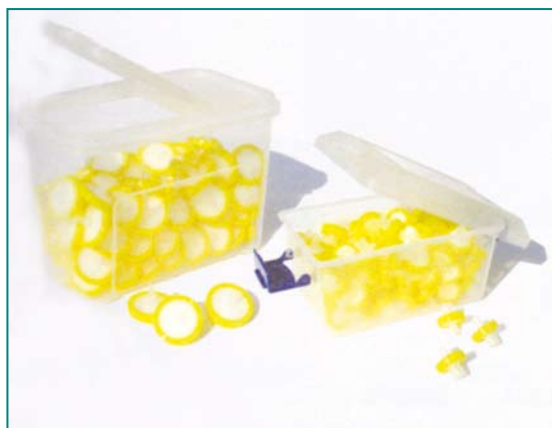


Cellulose Acetate (CA) 13 mm

Reference	Description
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TR-200408	Cellulose Acetate, orange, 0,45 µm, 13 mm D pk/100
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TR-200409	Cellulose Acetate, light orange, 0,20 µm, 13 mm D pk/100
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M.E. CELLULOSE SYRINGE FILTERS WITH POLYPROPYLENE HOUSING

- The M.E Cellulose membrane is hydrophilic.
- They are used to clean or to sterile most aqueous solutions.
- Is ideal to filter biological samples or culture media.



M.E. Cellulose 25 mm

Reference	Description
TR-200104	M.E Cellulose Filter, yellow, 0.45 µm, 25 mm D pk/100
TR-200105	M.E Cellulose Filter, light yellow, 0.20 µm, 25 mm D pk/100



M.E. Cellulose 13 mm

Reference	Description
TR-200504	M.E Cellulose Filter, yellow, 0.45 µm, 13 mm D pk/100
TR-200505	M.E Cellulose Filter, light yellow, 0.20 µm, 13 mm D pk/100



NITROCELLULOSE SYRINGE FILTERS WITH POLYPROPYLENE HOUSING

- A naturally hydrophilic membrane recommended for clarification and filtration of aqueous samples.



Nitrocellulose 25 mm

Reference	Description
TR-200480	Nitrocellulose Filter, pistachio, 0.45 µm, 25 mm D pk/100



Nitrocellulose 13 mm

Reference	Description
TR-200466	Nitrocellulose Filter, pistachio, 0.45 µm, 13 mm D pk/100