



Thermo Scientific
Nalgene Syringe Filters

filtration
at its finest

small filters.

big results.

Thermo Scientific™ Nalgene™ Syringe Filters are available in a variety of sizes and membranes for both sterile and non-sterile laboratory applications. Nalgene gives you choices to meet your needs for sterile filtration, laboratory filtration, prefiltration, sample preparation and gas venting.

syringe



application portfolio



filters

Sterile Filtration

Thermo Scientific Nalgene sterile syringe filters are ideal for sterilizing (0.2 micron) or clarifying biological solutions, such as cell culture and microbial media, reagents and additives, proteinaceous solutions, and buffers.

Select the best membrane

- **PES** (polyethersulfone) – Lowest protein binding and extractables, fast flow rates; best choice for media.
- **SFCA** (surfactant-free cellulose acetate) – Low protein binding, lower extractables than standard CA; useful for cell culture fluids and cellular solutions.
- **CA** (cellulose acetate) – Some protein binding and extractables; good for buffers.
- **Nylon** – Low extractables, high protein binding; recommended for alcohols and weak solvents.



Pore size (µm)	Membrane	Housing	Thermo Scientific Cat. No.	Fisher Scientific Cat. No.
13mm diameter for 2 - 10 ml volume				
0.2	PES	Acrylic	180-1320	09-740-50
25mm diameter for 10 - 100 ml volume				
0.2	PES	Acrylic	194-2520	09-740-61A
0.45	PES	Acrylic	194-2545	09-740-61B
0.2	SFCA	Acrylic	190-2520	09-740-35A
0.2	SFCA	Acrylic	190-9920	09-740-37F
0.45	SFCA	Acrylic	190-2545	09-740-35B
0.45	SFCA	Acrylic	190-9945	09-740-37G
0.8	CA	Acrylic	190-2580	09-740-35C
0.2	Nylon	Polypropylene	195-2520	09-740-35J
0.45	Nylon	Polypropylene	195-2545	09-740-35K

Laboratory Filtration

Non-sterile syringe filters for filtration, clarification or particle removal from buffers, reagents, DMSO, HPLC/GC solvents.



Select the best membrane

- **SFCA** – Use for immunological samples and biological fluids.
- **CA** – Ideal for buffers, aqueous reagents and solutions, including EIA and ELISA samples.
- **Nylon** – Good for cryoprotectants such as DMSO, and filtration of aqueous biological solutions, alcoholic solutions and non-aqueous HPLC/GC solvents.

Pore size (μm)	Membrane	Housing	Thermo Scientific Cat. No.	Fisher Scientific Cat. No.
4mm diameter for 0.5 - 1 ml volume, Leur-Lok[®] inlet, male slip outlet, autoclavable				
0.2	CA	Polypropylene	171-0020*	09-740-34A*
0.45	CA	Polypropylene	171-0045*	09-740-34B*
0.2	Nylon	Polypropylene	176-0020*	09-740-34C*
0.45	Nylon	Polypropylene	176-0045*	09-740-34D*
25mm diameter for 10 - 100 ml volume				
0.2	SFCA	Acrylic	191-2020	09-740-35D
0.45	SFCA	Acrylic	191-2045	09-740-35E
0.8	CA	Acrylic	191-2080	09-740-35F
0.2	Nylon	Polypropylene	195-2520**	09-740-35J**
0.45	Nylon	Polypropylene	195-2545**	09-740-35K**
0.2	Nylon	Polypropylene	196-2020*	09-740-35P*
0.45	Nylon	Polypropylene	196-2045*	09-740-35Q*

* autoclavable **sterile

PreFiltration

Our Nalgene sterile and non-sterile syringe filters with prefilter membrane or multiple media layers are designed for filtering high particulate or viscous suspensions or solutions.

Select the best membrane

- **Glass fiber** – Prefilter.
- **CA** – For buffers, aqueous reagents and solutions.

Pore size (µm)	Membrane	Housing	Thermo Scientific Cat. No.	Fisher Scientific Cat. No.
25mm diameter Prefilter, non-sterile				
1.2	Glass Fiber	Acrylic	189-2000	09-740-48C
25mm diameter Prefilter Plus, sterile, individual blister packed				
1.2 + 0.2	Glass filter + CA	Acrylic	192-2520	09-740-48D

Air/Gas Filtration and Venting

Use Nalgene non-sterile syringe filters for sterilizing (0.2 micron) or clarifying gases or organic fluids, providing a barrier for sterile venting applications, such as benchtop fermenters, or protecting vacuum pumps from moisture.

Select the best membrane

- **PTFE** - Hydrophobic Teflon™ membrane is resistant to aggressive chemicals and solvents.

Pore size (µm)	Membrane	Housing	Thermo Scientific Cat. No.	Fisher Scientific Cat. No.
50mm diameter for gases or 0.2 – 5 L fluid volume, Stepped hose barb inlet and outlet				
0.2	PTFE	Polypropylene	DS0222-0020*	09-740-37K*
0.45	PTFE	Polypropylene	DS0222-0045*	09-740-37L*

* autoclavable



Sample Preparation for Chromatography

Nalgene non-sterile syringe filters are designed for clarification and particle removal from samples for instrument analysis such as HPLC and GC.

Select the best membrane

- **PTFE** – Hydrophobic Teflon™ for sterile venting applications and filtration of samples in HPLC/GC solvents.



Pore size (µm)	Membrane	Housing	Thermo Scientific Cat. No.	Fisher Scientific Cat. No.
13mm diameter for 2-10 ml volume, Leur-Lok inlet, male slip outlet				
0.2	PTFE	Polypropylene	187-1320*	09-740-52A*
0.45	PTFE	Polypropylene	187-1345*	09-740-52B*
25mm diameter for 10-100 ml volume, Leur-Lok inlet, male slip outlet				
0.2	PTFE	Polypropylene	199-2020*	09-740-38A*
0.45	PTFE	Polypropylene	199-2045*	09-740-38B*

* autoclavable

Thermo Scientific Chromatography Systems Products

Thermo Scientific Nalgene syringe filters can be used in sample preparation and clean up for liquid chromatography analysis—a perfect complement to our complete portfolio of chromatography equipment.

Thermo Scientific Dionex ICS Systems

For ion analysis, no other solution compares to a Thermo Scientific™ Dionex™ ion chromatography system. Whether you have just a few samples or a heavy workload, or your analytical task is simple or challenging, we have a complete solution based on modern technology and world-class support as the leader in IC for over 30 years.

For more information, visit www.thermoscientific.com/IC



Thermo Scientific TSQ 8000 Triple Quadrupole GC-MS/MS

The TSQ™ 8000 system is reliable, easy to use and enables faster, more precise analyses with unstoppable productivity. Designed for routine analysis, the TSQ 8000 system integrates proven triple quadrupole technology with a rich software suite for uncompromised MS/MS simplicity from startup to final report.

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Thermo Scientific UltiMate 3000 LC/UHPLC Platform

The Thermo Scientific™ Dionex™ UltiMate™ 3000 LC/UHPLC platform consists of exceptionally flexible and capable systems—from nano/capillary flow rates as low as 20 nL/min to analytical and semi-prep flow rates up to 100 mL/min—that provide unmatched versatility, precision, and performance for chromatographers in pharmaceutical, bio-pharmaceutical and life science laboratories.

For more information, visit www.thermoscientific.com/uhplc2

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