filtration | 216-249

The last line of defense against contamination.

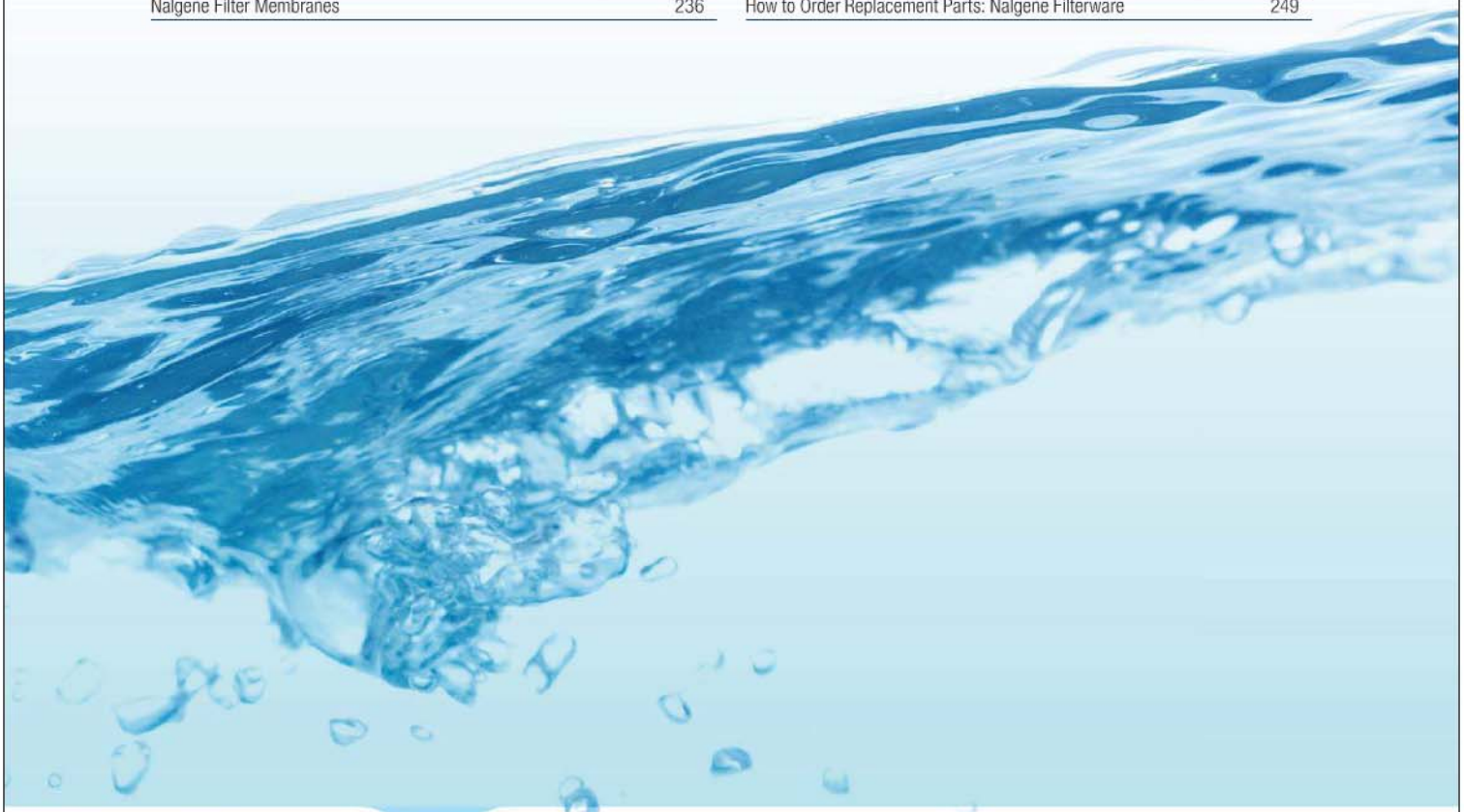
For more than 50 years, we've been delivering Thermo Scientific Nalgene filtration products that are optimized for sterility and safety in both research and QC testing processes. Today, you can experience the time-tested, proven quality and security of a full line of Nalgene™ filters, including bottle top filters, analytical QC filters and syringe filters.

Bottle Top Filter Units and Storage Bottles
Only Nalgene has the unique Rapid-Flow™ membrane support system that uses an evenly-spaced array of columns to provide greater membrane stability – resulting in faster flow and higher throughput of fluids – perfectly suited for sterile filtration and clarification of 50-1000 mL of cell culture media, serum, additives and buffers.

Analytical QC Test Filter Funnels, Filter Units and Membranes are ideal for microbiological monitoring and testing of water, food and beverage, raw materials and finished product – offering sterile, disposable filter funnels and the largest choice of reusable filter funnels and bottle top filters made of durable, autoclavable polysulfone plastic.

Syringe Filters are available in a wide variety of membranes and sizes for filtration of smaller volumes of aqueous fluids and solvents. See our full range of diameters, membranes, housings and pore sizes – for both sterile and non-sterile offerings – in the Syringe Filters section.

▶ For more information visit:
www.thermoscientific.com/filtration



quality and security

Rapid-Flow Selection Guide

Making the Right Selection	
Select the right pore size	• 0.1 micron for sterile filtration and *Mycoplasma* removal • 0.2 micron for sterile filtration • 0.45 micron for clarification • 0.8 micron for prefiltration and clarification
Select the right capacity	Choose from 50 mL, 115 mL, 150 mL, 250 mL, 500 mL, 1000 mL capacity filter units and bottle top filters.
Select the right membrane diameter	Options include 50 mm, 75 mm and 90 mm diameter. Wider membranes mean faster flow and more throughput so you don't have to reach for a second filter for difficult-to-filter fluids. Only Nalgene has 90 mm diameter membranes in 500 mL and 1000 mL size filter units and bottle top filters.
Select the right membrane	• PES (polyethersulfone) is the ultimate cell culture membrane with low protein binding so there is less chance of removing critical protein from your media. It is hydrophylic, so no external wetting agents or surfactants are needed, resulting in low extractables. And, it's fast so you spend less time waiting. • SFCA (surfactant-free cellulose acetate) contains none of the wetting agents found in standard CA (cellulose acetate), and also has lower protein binding than standard CA. If you use CA for media filtration you owe it to your cell lines to switch to SFCA; It's only available in Nalgene filter units and bottle top filters. • CN (cellulose acetate) is ideal for filtering water, buffers and other aqueous solutions when protein binding is not a concern or if you want to remove extraneous protein. • NYL (nylon) membranes are tough, alcohol resistant and have low levels of extractables. Choose them for filtering alcoholic solutions.
Select the right media storage bottle	Nalgene storage bottle cap design prevents gas exchange and maintains pH of stored media for up to two weeks. Nalgene storage bottles are available in 150, 250, 500 and 1000 mL sizes, separately or as an integral part of all Nalgene filter units.
Select the right quality	Every lot is Nalgene-Certified to be sterile, non-cytotoxic, non-pyrogenic, and to have passed strict performance tests. We guarantee it!

Thermo Scientific Nalgene Rapid-Flow Sterile Disposable Filter Units

PES Membrane

Nalgene™ Rapid-Flow disposable Filter Units with PES (polyethersulfone) membrane provide the last line of defense against cell culture contamination.

Low protein binding PES membranes with low extractables are the best choice for sterile filtration of cell culture media, serum, additives and buffers. Asymmetric PES membranes and exclusive Rapid-Flow support plate design provide fast flow rates and high throughput for increased filtration efficiency.

details

- Filter cup unscrews from storage bottle for easy access to filtrate
- Leakproof† (except 115 mL sizes) screw cap closure eliminates pH shift in storage bottle for longer life of stored media
- Upper chamber of filter units is clearly marked with pore size, membrane type, catalog number, lot number and expiration date (except 115 mL size)
- Padless membrane support minimizes foaming of proteinaceous samples
- Non-pyrogenic and non-cytotoxic
- PES membrane with blue collar
- Gamma radiation-sterilized and individually bagged for a 5-year sterile shelf life

Polyethersulfone (PES) Membrane

- PES is the best membrane for cell culture fluids; lowest protein binding to maintain protein balance, lowest extractables to maintain media purity
- Asymmetric PES membrane plus unique Rapid-Flow support plate design provides fast flow and high throughput of fluids for increased filtration efficiency
- 0.2 µm units protect against bacterial contamination
- 0.1 µm units also protect against Mycoplasma contamination

115 mL Sizes

- Compact filter units for quick filtration of 50-100 mL of fluid
- Unitary construction with non-separable upper and lower compartments
- Not intended for post-filtration storage of media (use Rapid-Flow products if media storage is required)

Includes: Polystyrene cover; graduated upper chamber and storage bottle (except 115 mL size); integral membrane filter; cellulosic-plugged side arm; quick-disconnect tubing adapter.

† The term "leakproof" applies to Thermo Scientific Nalgene products that meet the following criteria: a) Bottle/flask/funnel closure systems with closures smaller than 100 mm, after they are filled with water, inverted, withstand air pressure of 2psig for 2 minutes, and no water escapes;. b) Bottle/funnel/flask closure systems of larger than 100 mm after they are filled with water, inverted for 15 minutes, and no water escapes. Note: these tests, using other liquids, may not yield the same results. To ensure safe usage, customers are advised to test Thermo Scientific Nalgene bottles and closures under conditions of their planned applications. Thermo Scientific Nalgene products are leakproof at ambient temperature and pressure when used with their Nalgene closures.

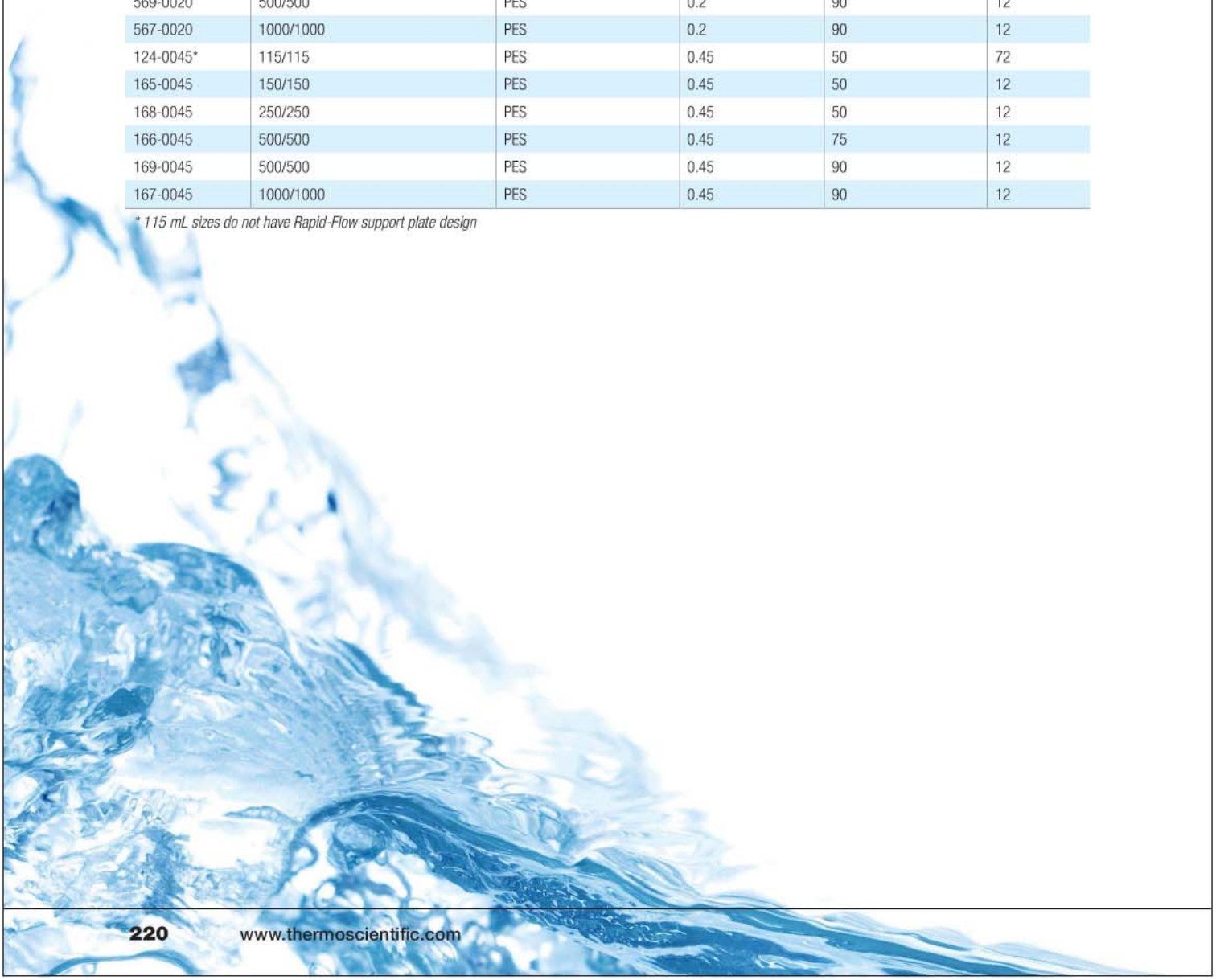
Thermo Scientific Nalgene Rapid-Flow Sterile Disposable Filter Units

PES Membrane, continued

Nalgene™ Rapid-Flow Sterile Disposable Filter Units

Cat. No.	Capacity, Upper/Storage Bottle, mL	Material (Membrane)	Pore Size, µm	Membrane Dia., mm	No. per Case
565-0010	150/150	PES	0.1	50	12
568-0010	250/250	PES	0.1	50	12
566-0010	500/500	PES	0.1	75	12
567-0010	1000/1000	PES	0.1	90	12
564-0020	150/50	PES	0.2	50	12
524-0020*	115/115	PES	0.2	50	72
565-0020	150/150	PES	0.2	50	12
568-0020	250/250	PES	0.2	50	12
566-0020	500/500	PES	0.2	75	12
569-0020	500/500	PES	0.2	90	12
567-0020	1000/1000	PES	0.2	90	12
124-0045*	115/115	PES	0.45	50	72
165-0045	150/150	PES	0.45	50	12
168-0045	250/250	PES	0.45	50	12
166-0045	500/500	PES	0.45	75	12
169-0045	500/500	PES	0.45	90	12
167-0045	1000/1000	PES	0.45	90	12

** 115 mL sizes do not have Rapid-Flow support plate design*



Thermo Scientific Nalgene Rapid-Flow Sterile Disposable Bottle Top Filters

PES Membrane

Nalgene™ MF75 disposable Bottle Top Filters with PES (polyethersulfone) membrane provide the last line of defense against cell culture contamination.

Low protein binding PES membranes with low extractables are the best choice for sterile filtration of cell culture media, serum, additives and buffers. Asymmetric PES membranes and exclusive Rapid-Flow support plate design provide fast flow rates and high throughput for increased filtration efficiency.

details

- Filters marked with catalog number, membrane type and pore size, lot number and expiration date for easy traceability
- Gamma radiation sterilized and individually bagged for a 5-year sterile shelf life
- Molded-in graduations for easy visualization of sample size
- Side-arm with quick-disconnect tubing adapter for easy change between filters
- Use with Nalgene storage bottles with catalog numbers starting with 455- or glass bottles rated for vacuum
- Non-cytotoxic and non-pyrogenic

Polyethersulfone (PES) membranes

- PES is the best membrane for cell culture fluids; lowest protein binding to maintain protein balance, lowest extractables to maintain media purity
- Asymmetric PES membrane plus unique Rapid-Flow support plate design provide fast flow and high throughput of fluids for increased filtration efficiency
- Use 0.2 µm membranes for sterile filtration, 0.45 µm membranes for fluid clarification and particle removal

Includes: Polystyrene graduated chamber; Blue color-coded collar with cellulosic vent plug side arm and quick-disconnect tubing adapter; 50, 75, or 90 mm diameter membranes; bottom screw threads for attachment to bottles with 33 or 45 mm neck sizes.

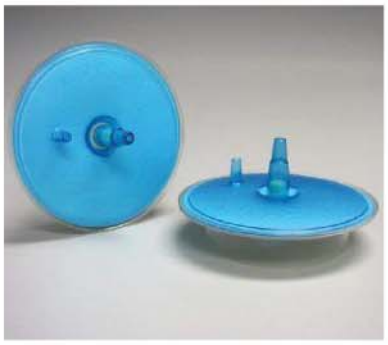
CAUTION: Use only sterile bottles designed for use with vacuum. Always use safety shield during vacuum procedures.

Nalgene Rapid-Flow Sterile Disposable Bottle-Top Filters

Cat. No.	Capacity, mL	Type	Membrane Dia., mm	Pore Size, µm	Fits Bottle Neck Size, mm	No. per Case
596-3320	150	PES	50	0.2	33	12
596-4520	150	PES	50	0.2	45	12
296-3345	150	PES	50	0.45	33	12
296-4545	150	PES	50	0.45	45	12
595-3320	500	PES	75	0.2	33	12
595-4520	500	PES	75	0.2	45	12
295-3345	500	PES	75	0.45	33	12
295-4545	500	PES	75	0.45	45	12
597-3320	1000	PES	90	0.2	33	12
597-4520	1000	PES	90	0.2	45	12

Thermo Scientific Nalgene Large-Volume FastCap Bottle Top Filter

0.2 µm PES membrane



Nalgene™ Large-Volume FastCap™ Bottle Top Filter is easy to use – just place on bottle mouth, apply vacuum and start filtering.

FastCap Bottle Top Filters are for filtration of up to 5 liters of fluid.

details

- PES membrane for fast flow and high throughput
- Fits bottle necks up to 53 mm diameter
- Filter up to 5 L
- Blue, polystyrene housing

CAUTION: Use only sterile bottles designed for use with vacuum. Always use safety shield during vacuum process.

Nalgene Large-Volume FastCap Bottle Top Filter

Cat. No.	Membrane, µm	Max Throughput, L	Outside Dia., mm	Sterile	Units per Case
298-9020	PES, 0.2	5	90	Yes	10

Thermo Scientific Nalgene Rapid-Flow Sterile Disposable Filter Units

SFCA Membrane

Nalgene™ Rapid-Flow™ Sterile Disposable Filter Units with SFCA Membrane are ideal for vacuum filtration and single-use biological work requiring sterile filtration, prefiltration or clarification of aqueous solutions in the lab or field.

Surfactant-Free Cellulose Acetate (SFCA) membranes have lower extractables than standard (CA) membranes. If you use cellulose acetate (CA) for filtration of media or other cell culture fluids, you owe it to your cells to switch to cleaner, safer Nalgene SFCA.

details

- Nalgene Rapid-Flow membrane support system provides fast flow and high throughput
- Upper chamber separates from storage bottle for easy access to filtrate
- Leakproof† (except 115 mL sizes) crew cap eliminates pH shift in storage bottle to provide longer life for stored media
- Upper chamber of filter units is clearly marked with pore size, membrane type, catalog number, lot number and expiration date (except 115 mL size)
- Padless membrane support minimizes foaming of proteinaceous samples
- Non-pyrogenic and non-cytotoxic
- Yellow collar for easy identification of SFCA membrane
- Gamma radiation-sterilized and individually bagged for a 5-year sterile shelf life

Surfactant-free cellulose acetate membranes (SFCA)

- Low protein binding, excellent flow rates, little or no loss of specific proteins
- No wetting agents to affect sensitive cell culture lines
- Much lower extractables than standard CA membranes makes SFCA a better choice for cell culture

115 mL sizes

- Compact filter units for quick filtration of 50-100 mL of fluid
- Unitary construction with non-separable upper and lower compartments
- Not intended for post-filtration storage of media (use Rapid-Flow products if media storage is required)

Includes: Polystyrene cover; graduated upper chamber and storage bottle (except 115 mL size; integral membrane filter; cellulosic-plugged side arm; quick disconnect tubing adapter.

Thermo Scientific Nalgene Rapid-Flow Sterile Disposable Filter Units

SFCA Membrane, continued

Nalgene™ Rapid-Flow Sterile Disposable Filter Units

Cat. No.	Capacity, Upper/Receiver Bottle, mL	Membrane	Pore Size, µm	Membrane Dia., mm	No. per Case
122-0020*	115/115	SFCA	0.2	50	72
155-0020	150/150	SFCA	0.2	50	12
157-0020	250/250	SFCA	0.2	50	12
156-4020	500/500	SFCA	0.2	75	12
158-0020	500/1000	SFCA	0.2	75	12
162-0020	500/500	SFCA	0.2	90	12
161-0020	1000/1000	SFCA	0.2	90	12
122-0045*	115/115	SFCA	0.45	50	72
155-0045	150/150	SFCA	0.45	50	12
157-0045	250/250	SFCA	0.45	50	12
158-0045	500/1000	SFCA	0.45	75	12
156-4045	500/500	SFCA	0.45	75	12
162-0045	500/500	SFCA	0.45	90	12
161-0045	1000/1000	SFCA	0.45	90	12

** 115 mL sizes do not have Rapid-Flow support plate design*

Nalgene Rapid-Flow Sterile Disposable Bottle Top Filters

SFCA Membrane

Nalgene™ Rapid-Flow™ Sterile Disposable Bottle-Top Filters fit Nalgene filter receiver bottles (#455-series) or standard glass media bottles.

Surfactant-Free Cellulose Acetate (SFCA) membranes have lower extractables than standard cellulose acetate (CN) membranes. If you use CA for filtration of media or other cell culture fluids, you owe it to your cells to switch to cleaner, safer Nalgene SFCA.

details

- Nalgene Rapid-Flow membrane support system provides fast flow and high throughput
- Filters marked with catalog number, membrane type and pore size, lot number and expiration date for easy traceability
- Gamma radiation sterilized and individually bagged for 5-year sterile shelf life
- Molded-in graduations for quick visualization of sample volume
- Side-arm with quick-disconnect tubing adapter for easy bottle top changes
- Non-cytotoxic and non-pyrogenic

Surfactant-free cellulose acetate membranes (SFCA)

- Low protein binding, excellent flow rates, little or no loss of specific proteins
- No wetting agents to affect sensitive cell culture lines
- Much lower extractables than standard CA membranes makes SFCA a better choice for cell culture

Includes: Polystyrene graduated chamber; color-coded collar with cellulosic vent plug side arm and quick-disconnect tubing adapter; 50, 75, or 90 mm diameter membranes; bottom screw threads for attachment to bottles with 33 or 45 mm neck sizes.

Nalgene Rapid-Flow Sterile Disposable Bottle Top Filters

Cat. No.	Capacity, mL	Fits Bottle Neck Size, mm	Membrane	Pore Size, µm	Membrane Dia., mm	No. per Case
290-3320	150	33	SFCA	0.2	50	12
290-3345	150	33	SFCA	0.45	50	12
290-4520	150	45	SFCA	0.2	50	12
290-4545	150	45	SFCA	0.45	50	12
291-3320	500	33	SFCA	0.2	75	12
291-3345	500	33	SFCA	0.45	75	12
291-4520	500	45	SFCA	0.2	75	12
291-4545	500	45	SFCA	0.45	75	12
292-3320	1000	33	SFCA	0.2	90	12
292-4520	1000	45	SFCA	0.2	90	12

Thermo Scientific Nalgene Rapid-Flow Sterile Disposable Filter Units

CN Membrane

Nalgene™ Rapid-Flow Sterile Disposable Filter Units with CN (Cellulose Nitrate) membrane are ideal for sterile filtration, prefiltration or clarification of buffers and other aqueous solutions when protein binding is not a concern.

Nalgene CN membranes are Triton™-free

details

- Nalgene Rapid-Flow membrane support system provides fast flow and high throughput
- Upper chamber separates from storage bottle for easy access to filtrate
- Leakproof† screw cap eliminates pH shift in storage bottle to provide longer life for stored media
- Upper chamber of filter units is clearly marked with pore size, membrane type, catalog number, lot number and expiration date for traceablility
- Padless membrane support minimizes foaming of proteinaceous samples
- Non-pyrogenic and non-cytogenic
- Green collar for easy identification of CN membrane
- Gamma radiation-sterilized and individually wrapped for a 5-year sterile shelf life

115 mL Sizes

- Compact filter units for quick filtration of 50 to 100 mL of fluid
- Unitary construction with non-separable upper and receiver components
- Not intended for post-filtration storage of media (use Rapid-Flow products if media storage is required)

Includes: 50 or 75 mm diameter membrane, polyethylene adapter, and quick-disconnect tubing adapter. Each pack of 500 and 1000 mL units includes 12 glass fiber prefilters. All sizes except 115 mL supplied with sterile polyethylene leakproof† cap.

Notes: CN membranes are best used for filtration of buffers and general lab solutions. We do not recommend CN for filtration of cell culture fluids because it has high protein binding characteristics. Use PES or SFCA for cell culture media, serum, additives, etc.

Thermo Scientific Nalgene Rapid-Flow Sterile Disposable Filter Units

CN Membrane, continued

Nalgene™ Rapid-Flow Sterile Disposable Filter Units

Cat. No.	Capacity, Upper/ Receiver Bottle, mL	Membrane	Pore Size, µm	Membrane Dia., mm	Membrane Color/Grid	No. per Case
121-0020*	115/115	CN	0.2	50	White/None	72
121-0045*	115/115	CN	0.45	50	White/Black Grid	72
125-0020	150/150	CN	0.2	50	White/None	12
125-0045	150/150	CN	0.45	50	White/Black Grid	12
125-0080	150/150	CN	0.8	50	White/None	12
126-0020	250/250	CN	0.2	50	White/None	12
126-0045	250/250	CN	0.45	50	White/Black Grid	12
126-0080	250/250	CN	0.8	50	White/None	12
450-0020	500/500	CN	0.2	75	White/None	12
450-0045	500/500	CN	0.45	75	White/Black Grid	12
450-0080	500/500	CN	0.8	75	White/None	12
127-0020	500/1000	CN	0.2	75	White/None	12
127-0045	500/1000	CN	0.45	75	White/Black Grid	12
127-0080	500/1000	CN	0.8	75	White/None	12

** 115 mL sizes do not have Rapid-Flow support plate design*

Thermo Scientific Nalgene Rapid-Flow Sterile Disposable Filter Units

Nylon Membrane

Nalgene™ Rapid-Flow™ Sterile Disposable Filter Units with Nylon Membrane are recommended for use with solutions where very low extractables are desired, or for filtration of solutions containing weak solvents such as alcohols.

details

- Nalgene Rapid-Flow membrane support system provides fast flow and high throughput
- Upper chamber separates from storage bottle for easy access to filtrate
- Leakproof† screw cap eliminates pH shift in storage bottle to ensure longer life of stored media
- Upper chamber of filter units is clearly marked with pore size, membrane type, catalog number, lot number and expiration date for traceability
- Padless membrane support minimizes foaming of proteinaceous samples
- Non-pyrogenic and non-cytotoxic
- Gamma radiation-sterilized and individually bagged for a 5-year sterile shelf life

Nylon Membrane

- Low extractables and naturally hydrophilic
- Contains no wetting agents and is alcohol resistant
- Red collar for easy identification of nylon membrane

Includes: Polystyrene cover; graduated upper chamber and storage bottle; integral membrane filter; cellulosic-plugged side arm; quick-disconnect tubing adapter.

Nalgene Rapid-Flow Sterile Disposable Filter Units

Cat. No.	Capacity, Upper/ Receiver Bottle, mL	Membrane	Membrane dia.	Pore Size, µm	No. per Case
150-0020	150/150	Nylon	50	0.2	12
150-0045	150/150	Nylon	50	0.45	12
153-0020	250/250	Nylon	50	0.2	12
153-0045	250/250	Nylon	50	0.45	12
151-4020	500/500	Nylon	75	0.2	12
151-4045	500/500	Nylon	75	0.45	12
154-0020	500/1000	Nylon	75	0.2	12
154-0045	500/1000	Nylon	75	0.45	12
163-0020	500/500	Nylon	90	0.2	12
164-0020	1000/1000	Nylon	90	0.2	12

Thermo Scientific Nalgene Rapid-Flow Sterile Filter Storage Bottles

Nalgene™ Rapid-Flow™ Sterile Filter Storage Bottles are radiation-sterilized to save you time and minimize contamination.

Use with Nalgene Bottle-Top Filters, or as replacements or extra receptacles for Nalgene Tissue Culture and Sterilization Filter Units. Excellent as handy sterile single-use storage containers.

details

- Headspace allows extra serum or other additives to be added to the filtrate
- Leakproof† screw caps to eliminate pH shift in bottle for longer life of stored media
- Sterilized by gamma radiation and individually bagged for a 5-year sterile shelf life
- Non-pyrogenic and non-cytotoxic

Nalgene Rapid-Flow Series Sterile Filter Storage Bottles

Cat. No.	Storage Bottle Capacity, mL	No. per Case
455-0150	150	24
455-0250	250	24
455-0500	500	12
455-1000	1000	12

Thermo Scientific Nalgene Sterile Analytical Filter Units

Nalgene™ Sterile Analytical Filter Units are complete filter units with an easily removable upper and filter membrane.

These filter units are designed for efficient recovery and growth of microorganisms for QC testing and analysis of water, food and beverage, raw materials and finished product.

details

- Upper chamber snaps away from receiver for retrieval of membrane with sterile forceps
- Gamma-sterilized, individually wrapped
- Provides excellent recovery and growth of microorganisms
- Receiver is graduated from 20 to 150 mL for easy reading of sample volume
- Wide base is stable on the bench
- 0.2 µm size is ideal for sterility tests
- 0.45 µm size has black grid to facilitate colony counting
- Membranes are certified for water quality work

Includes: Polystyrene cover; upper chamber with reference mark at 100 mL and receiver; removable, 47 mm cellulose nitrate (CN) membranes; cellulosic support pad; cellulosic vent plug side arm; quick-disconnect tubing adapter; and blue support plate.

Compliance: Membranes conform to APHA Standard Methods and EPA guidelines for microbiological analysis of potable waters. Filter units pass ISO 7704 microbial recovery testing.

Nalgene Sterile Analytical Filter Units

Cat. No.	Capcacity, mL	Pore Size, µm	Membrane Color/Grid	Membrane	No. per Pack	No. per Case
130-4020	150	0.2	White/None	CN	12	72
130-4045	150	0.45	White/Black	CN	12	72

Thermo Scientific Nalgene Sterile Analytical Filter Funnel

Nalgene™ Analytical Filter Funnel is particularly useful for large-volume microbiological QC samples.

The convenient snap away design provides easy membrane retrieval for growth and analysis. Compatible with filter manifolds and filtering flasks.

details

- Disposable, presterilized funnel
- Removable 47 mm diameter membrane
- 0.45 µm cellulose nitrate (CN) membrane with black grid is certified for water quality work
- Gamma-sterilized, individually sealed in plastic bag

Includes: Upper chamber with reference mark at 150 mL; polystyrene cover; CN membrane; support pad; polystyrene support plate/funnel that fits a stopper or adapter with 9/16 in. hole; quick-disconnect adapter for 1/4 or 5/16 in. tubing. Each pack of 12 funnels includes one vacuum gasket that replaces stopper or adapter with 9/16 in. or larger opening.

Compliance: Membranes conform to APHA Standard Methods and EPA guidelines for microbiological analysis of potable waters. Filter units pass ISO 7704 microbial recovery testing.

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Nalgene Sterile Analytical Filter Funnel

Cat. No.	Capacity, mL	Pore Size, µm	Membrane Color/Grid	Membrane	No. per Pack	No. per Case
140-4045	150	0.45	White/Black Grid	Cellulose Nitrate	12	72

Thermo Scientific Nalgene Sterile Analytical Test Filter Funnels

Nalgene™ Sterile Analytical Test Filter Funnels are economical, sterile disposable funnels for microbiological QC testing and analysis of water, food/beverage, raw material and finished product.

The squeeze and twist funnel is easy to remove for retrieval of the cellulose nitrate (CN) membrane.

details

- High-impact polystyrene collars are rugged for reliable performance
- Preassembled, sterile, individually bagged to ensure sample integrity
- Adapters accommodate No. 8 stoppers for use with vacuum manifolds or filter flasks
- Designed for single use only
- 47 mm diameter cellulose nitrate membrane is certified for water quality work
- 250 mL sizes are useful when testing beverages that may foam
- Cat. No. 147-0045 features gray membrane that turns black when wet, making it easier to detect and count growing colonies

Includes: Six funnel adapters with each case.

Compliance: Membranes conform to APHA Standard Methods and EPA guidelines for microbiological analysis of potable waters. Filter units pass ISO 7704 microbial recovery testing.

Nalgene Analytical Test Filter Funnels

Cat. No.	Capacity, mL	Membrane	Membrane Color	Holds Funnel, mL	Pore Size, µm	No. per Case
145-0020	100	CN	White	100	0.2	50
145-0045	100	CN	White with black grid	100	0.45	50
147-0045	100	CN	Gray with black grid	100	0.45	50
145-2020	250	CN	White	250	0.2	50
145-2045	250	CN	White with black grid	250	0.45	50

Thermo Scientific Nalgene Reusable Filter Holders with Storage Bottle

Nalgene™ Reusable Filter Holders with Storage Bottle are complete systems that eliminate the need for a manifold or breakable glass vacuum flask.

These reusable filter holders are made of washable, autoclavable polysulfone and provide an environmentally friendly alternative to disposable filters.

details

- Graduated receiver to allow easy visualization of sample volume
- Two side arms allow connection to vacuum line
- Accepts 1/4 to 5/16 in. I.D. (6.4 to 8 mm) vacuum tubing
- Also accepts syringe filters
- Fully autoclavable, with or without membranes in place
- Upper chamber is designed for pressure or vacuum filtration
- Independent locking rings seal upper chamber to receiver without damaging membrane to ensure efficient filtration
- Chamber accommodates 47 or 50 mm membranes (not included) and has three ports for venting (with or without syringe filters) and aseptic addition of samples
- Ports can also be attached to a pressure source
- Upper chamber is supplied with two membrane support plates: a sterilization plate and an analytical plate

Sterilization plate (one-piece, clear)

- Provides maximum flow rate and throughput
- Suitable for cold sterilization or clarification of culture media, reagents or solvents that are compatible with holder and membrane materials
- Nominal filter area, 13.3 cm^2

Analytical plate (two-piece, white)

- Provides optimal membrane support and keeps membrane flat to facilitate analytical procedures
- Suitable for analysis of particulates and biological contaminants, or any microbiological analyses using the membrane filter technique
- Nominal filter area, 11.3 cm^2

Includes: Complete upper chamber, storage bottle, polypropylene cover and TPE port caps. (Membranes not included.)

Nalgene Reusable Filter Holders with Storage Bottle

Cat. No.	Upper Chamber, mL	Storage Capacity, mL	Dia. x H, mm	No. per Pack	No. per Case
300-4000	250	250	83 x 180	1	4
300-4050	500	500	117 x 230	1	4
300-4100	500	1000	117 x 293	1	4

Thermo Scientific Nalgene Reusable Filter Holder with Funnel

Nalgene™ Polysulfone Filter Holder with Funnel can be used with any filtering flask or manifold that accepts a suitable rubber stopper with hole.

These filter holders with funnel are made of washable, autoclavable polysulfone and provide an environmentally friendly alternative to disposable filters.

details

- Reusable, autoclavable polysulfone lasts for years
- Graduated upper chamber for easy sample measurement
- Includes analytical and sterilization support plates
- Use with filtering flasks or manifolds; includes no-twist vacuum gasket that replaces #7 or #8 stopper with hole

Includes: Rugged polysulfone funnel; polypropylene copolymer cover with three ports, three friction-fit TPE caps; support plate for 47 mm membrane; no-twist vacuum silicone gasket which can replace a No. 7 or 8 rubber stopper with 9/16 in. (15 mm) hole.

Nalgene Filter Holder with Funnel

Cat. No.	Autoclavable	Capacity, mL	Dia. x H, mm	No. per Case
DS0310-4000	Yes	250	94 x 190	1
DS0310-4050	Yes	500	120 x 214	1

Thermo Scientific Nalgene Reusable Filter Funnel with Clamp

Nalgene™ Reusable Filter Funnels with Clamps are ideal for labs doing high-throughput particle and microbiological QC testing.

The quick release clamp provides fast and easy retrieval of membranes for efficient processing of large numbers of samples. The durable, break-resistant polysulfone funnel is strong, non-toxic and can be repeatedly washed and autoclaved.

details

- Tight fit prevents bypass even after autoclaving
- Reservoir graduated from 100 to 250 mL in 25 mL increments
- Aluminum clamp allows one-handed operation and easy membrane replacement
- Autoclavable

Includes: Rugged polysulfone funnel; polypropylene copolymer cover with three ports, three friction-fit TPE caps; support plate for 47 mm membrane; silicone gasket; No. 8 stopper (9/16 in. hole); aluminum clamp.

Manifold sold separately (Cat. No. DSO 345-0001)

Nalgene Reusable Filter Funnel with Clamp

Cat. No.	Autoclavable	Capacity, mL	No. per Case
DS0315-0047	Yes	250	1

Thermo Scientific Nalgene Reusable Bottle Top Filters

Nalgene™ Polysulfone Reusable Bottle Top Filters screw securely onto glass media bottles with 33 or 45 mm neck thread sizes.

The convenience of a bottle top filter with the savings of reusability.

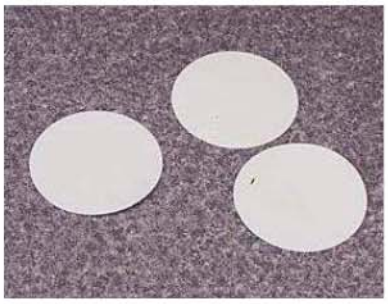
details

- Available in 250 and 500 mL sizes
- Polysulfone is strong, washable and autoclavable
- Non-cytotoxic
- Molded-in graduations make it easy to see sample volume
- Polypropylene tubing adapter can be stuffed with cotton for sterile venting during autoclaving
- Removable sterilization membrane support plate is designed to provide maximum flow rate and throughput
- Accepts 1/4 to 5/16 in. (6 to 8 mm) I.D. vacuum tubing

Nalgene Reusable Bottle Top Filters

Cat. No.	Funnel, mL	Neck Thread Size, mm	No. per Case
DS0320-2545	250	45	1
DS0320-5033	500	33	1
DS0320-5045	500	45	1

Thermo Scientific Nalgene Filter Membranes



Nalgene™ Filter Membranes are ideal for use in particulate and microbial analysis.

Select cellulose acetate (CA) for cold sterilization and nylon membrane (NYL) for solvent filtration.

details

Cellulose Acetate (CA) Membrane

- Excellent chemical resistance to alcohol and oil
- Ideal for cold sterilization of proteinaceous solutions
- Able to be used in short-term contact with methyl ethyl ketone
- Suited for liquid scintillation studies
- Can be cleared for direct observation using paraffin or almond oil
- Non-sterile, autoclavable (membrane must be wet when autoclaved)

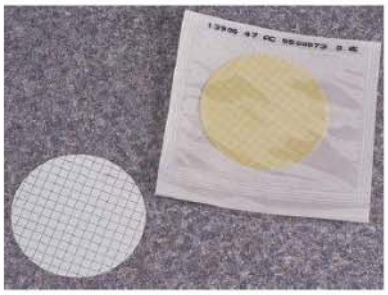
Nylon (NYL) Membrane

- Extremely low levels of extractables – no wetting agent
- Use for aqueous and organic solvent filtrations
- Use to sterilize buffers and culture media
- Use with HPLC solvents
- Non-sterile, autoclavable (membrane must be wet when autoclaved)

Nalgene Filter Membranes

Cat. No.	Membrane Dia., mm	Color	Pore Size, µm	No. per Case
Cellulose Acetate				
DS0210-4020	47	White	0.2	100
DS0210-4045	47	White	0.45	100
Nylon				
DS0215-4020	47	White	0.2	100
DS0215-4045	47	White	0.45	100

Thermo Scientific Nalgene Water Quality Membranes



Nalgene™ Water Quality Membranes are certified to meet requirements of standard methods for water quality work and ISO 7704.

details

- 0.45 micron, 47 mm diameter Cellulose Nitrate (CN), white/black or gray/black grid
- Contains no extractables that inhibit or stimulate growth of bacteria
- Has no effect on pH of the media
- Exhibits neither toxicity nor chemical or physical changes induced by the sterilization method
- Sterile, individually wrapped, autoclavable

Nalgene Filter Membranes

Cat. No.	Membrane Dia., mm	Membrane Color	Pore Size, µm	No. per Case
DS0205-4045	47	White/Black grid	0.45	100
DS0205-6045	47	Gray/Black grid	0.45	100

Thermo Scientific Nalgene Glass Prefilters

Nalgene™ Glass Prefilters increase filtration speed and throughput of highly viscous or heavily particulated solutions when used in conjunction with any Nalgene Rapid-Flow filter units or bottle top filters.

details

- Glass fiber prefilter discs
- Use with Nalgene 50, 75 and 90 mm dia. reusable filtration products (Cat. Nos. 300, DS0310, DS0330, DS0315, DS0320) and all Nalgene Rapid-Flow filter units and bottle top filters

Ordering Information: The 75 mm size is included in cases of Nalgene 500 and 1000 mL Cellulose Nitrate (CN), nylon and surfactant-free cellulose acetate (SFCA) membrane filter units.

Nalgene Glass Prefilters

Cat. No.	Membrane Material	O.D., mm	No. per Case
DS0281-5000	Glass-fiber	50	100
DS0281-7500	Glass-Fiber	75	100
DS0281-9000	Glass-fiber	90	100

Syringe Filter Application Guide

	Cat. No.		Application	Volume, mL	Prefilter/membrane/housing
	171-0020	Non-sterile bulk-packed	Cleaning of micro/immunological reagents, enzymes, antibodies	0.5-1	CA membrane, PP housing
	171-0045	Non-sterile bulk-packed	Prefiltration of micro/immunological reagents	0.5-1	CA membrane, PP housing
	176-0020	Non-sterile bulk-packed	Cleaning of aqueous solutions, HPLC solvents, alcohols and DMSO	0.5-1	Nylon membrane, PP housing
	176-0045	Non-sterile bulk-packed	Prefiltration and clarification of aqueous solutions, HPLC solvents, alcohols and DMSO	0.5-1	Nylon membrane, PP housing
S	180-1320	Sterile, individually blister-packed	Sterilization of microbial media, proteinaceous solutions and tissue culture reagents	2-10	PES membrane, Modified acrylic housing
	187-1320	Non-sterile bulk-packed; autoclavable	Cleaning of organic solvents and alcohols; venting of air, gases	2-10	PTFE membrane, PP housing
	187-1345	Non-sterile bulk-packed; autoclavable	Prefiltration and clarification of organic solvents and alcohols; venting of air, gases	2-10	PTFE membrane, PP housing
	189-2000	Non-sterile bulk-packed	Prefiltration and clarification of highly viscous solutions, removal of large particulates from suspensions	N/A	Glass-Fiber prefilter, Modified acrylic housing
S	190-2520 190-9920	Sterile, individually blister-packed	Sterilization of microbial media, proteinaceous solutions and tissue culture reagents	10-100	SFCA membrane, Modified acrylic housing
S	190-2545 190-9945	Sterile, individually blister-packed	Prefiltration/clarification of aqueous solutions/alcohols, prefiltration of serum and other proteinaceous samples	10-100	SFCA membrane, Modified acrylic housing
S	190-2580	Sterile, individually blister-packed	Prefiltration, serial filtration and clarification of aqueous solutions, serum and alcohols; Removal of cell residues	10-100	CA membrane, Modified acrylic housing
	191-2020	Non-sterile bulk-packed	Cleaning of aqueous and proteinaceous solutions and alcohols	10-100	SFCA membrane, Modified acrylic housing
	191-2045	Non-sterile bulk-packed	Prefiltration/clarification of aqueous solutions/alcohols, prefiltration of serum and other proteinaceous samples	10-100	SFCA membrane, Modified acrylic housing
	191-2080	Non-sterile bulk-packed	Prefiltration, serial filtration and clarification of aqueous solutions, serum and alcohols; Removal of cell residues	10-50	CA membrane, Modified acrylic housing
S	192-2520	Sterile, individually blister-packed	Two-stage filtration (prefilter/membrane) for sterilization of highly viscous solutions and/or with high particle loads	10-200	Glass-fiber pre-filter, CA membrane, Modified acrylic housing
S	194-2520	Sterile, individually blister-packed	Sterilization of microbial media, proteinaceous solutions and tissue culture reagents	10-100	PES membrane, Modified acrylic housing
S	194-2545	Sterile, individually blister-packed	Sterilization of microbial media, proteinaceous solutions and tissue culture reagents	10-100	PES membrane, Modified acrylic housing
S	195-2520	Sterile, individually blister-packed	Sterilization of tissue culture media, cleaning of aqueous solutions, HPLC solvents, alcohols and DMSO	10-100	Nylon membrane, PP housing
S	195-2545	Sterile, individually blister-packed	Prefiltration and clarification of aqueous solutions, HPLC solvents, alcohols and DMSO	10-100	Nylon membrane, PP housing
	196-2020	Non-sterile bulk-packed; autoclavable	Cleaning of aqueous solutions, HPLC solvents, alcohols and DMSO	10-100	Nylon membrane, PP housing
	196-2045	Non-sterile bulk-packed; autoclavable	Prefiltration and clarification of aqueous solutions, HPLC solvents, alcohols and DMSO	10-50	Nylon membrane, PP housing
	199-2020	Non-sterile bulk-packed; autoclavable	Cleaning of organic solvents and alcohols, venting of air and other gases	10-100	Teflon® PTFE membrane, PP housing
	199-2045	Non-sterile bulk-packed; autoclavable	Prefiltration and clarification of organic solvents and alcohols, venting of air and gases	10-100	Teflon® PTFE membrane, PP housing
	DS0222-0020	Non-sterile bulk-packed; autoclavable	Cleaning of organic solvents and alcohols, venting of air and other gases	0.2-5 L	PTFE membrane, PP housing
	DS0222-0045	Non-sterile bulk-packed; autoclavable	Prefiltration and clarification of organic solvents and alcohols, venting of air and gases	0.2-5 L	PTFE membrane, PP housing

*S Indicates sterile product † at 45 psig/3.1 bar with water †† at 15 psig/1.0 bar with methanol * Isopropanol § Air at 1.4 psig/0.1 bar*

Syringe Filter Application Guide, continued

Cat. No.	Pore size, µm	Memb. dia., mm	Filter area	Housing burst pressure (psig/bar)	Bubble Point (psig/bar)	Hold Up Vol., after air purge	Nom. Flow Rate, water at 14.7/1 psig/bar (mL/min.)
171-0020	0.2 µm	4	7 mm^2	75/5.1	45/3.1	10 µL	3
171-0045	0.45 µm	4	7 mm^2	75/5.1	28/1.9	10 µL	10
176-0020	0.2 µm	4	7 mm^2	75/5.1	40/2.7	10 µL	1
176-0045	0.45 µm	4	7 mm^2	75/5.1	29/1.9	10 µL	3
180-1320	0.2 µm	13	0.8 cm^2	75/5.1	35/2.4	20 µL	22†
187-1320	0.2 µm	13	0.8 cm^2	100/7.1	13/0.9	30 µL	15††
187-1345	0.45 µm	13	0.8 cm^2	100/7.1	7/0.5	30 µL	28††
189-2000	N/A	25	5.3 cm^2	75/5.1	N/A	N/A	N/A
190-2520 190-9920	0.2 µm	25	5.3 cm^2	75/5.1	45/3.1	0.25 mL	70
190-2545 190-9945	0.45 µm	25	5.3 cm^2	75/5.1	28/1.9	0.25 mL	180
190-2580	0.8 µm	25	5.3 cm^2	75/5.1	7/0.5	0.25 mL	300
191-2020	0.2 µm	25	5.3 cm^2	75/5.1	45/3.1	0.25 mL	70
191-2045	0.45 µm	25	5.3 cm^2	75/5.1	28/1.9	0.25 mL	180
191-2080	0.8 µm	25	5.3 cm^2	75/5.1	7/0.5	0.25 mL	300
192-2520	0.2 µm	25	5.3 cm^2	75/5.1	45/3.1	0.2 mL	90
194-2520	0.2 µm	25	5.3 cm^2	75/5.1	42/2.8	0.15 mL	175†
194-2545	0.45 µm	25	5.3 cm^2	75/5.1	30/2.1	0.15 mL	300†
195-2520	0.2 µm	25	2.8 cm^2	90/6.2	42/2.8	0.15 mL	70
195-2545	0.45 µm	25	2.8 cm^2	90/6.2	25/1.7	0.15 mL	95
196-2020	0.2 µm	25	2.8 cm^2	90/6.2	42/2.8	0.15 mL	35
196-2045	0.45 µm	25	2.8 cm^2	90/6.2	25/1.7	0.15 mL	95
199-2020	0.2 µm	25	2.8 cm^2	90/6.2	15/1.0*	0.25 mL	45*
199-2045	0.45 µm	25	2.8 cm^2	90/6.2	6/0.4*	0.25 mL	80*
DS0222-0020	0.2 µm	50	20 cm^2	60/4.1	13/0.9*	1.0 mL	5000§
DS0222-0045	0.45 µm	50	20 cm^2	60/4.1	7/10.5*	1.0 mL	8500§

*S Indicates sterile product † at 45 psig/3.1 bar with water †† at 15 psig/1.0 bar with methanol * Isopropanol § Air at 1.4 psig/0.1 bar*

Thermo Scientific Nalgene Syringe Filters

4 mm Diameter

Nalgene™ Syringe Filters (4 mm diameter) can accommodate sample volume sizes of 0.5 to 1.0 mL.

Cellulose acetate (CA) membrane filters are excellent for EIA and ELISA assay sample prep. Nylon membrane filters are excellent for filtration of HPLC and CG solvents and clarification of DMSO.

Nontoxic Triton™-free membranes are sealed within housing to eliminate bypass and minimize fluid loss. Use with both slip-fit and locking-type Luer syringes.

details

- 0.5 to 1.0 mL sample size
- Inlet: Female Luer-Lok™
- Outlet: Male Luer slip
- Autoclavable

Cellulose Acetate (CA) Membrane

- Low protein binding
- Ideal for sterilization and clarification of biological/immunological samples, cell culture media components, biological fluids, most other aqueous solutions and reagents, including EIA and ELISA samples

Nylon (NYL) Membrane

- Naturally hydrophilic, low extractables
- Useful for sterilizing cryoprotectants such as DMSO and with aqueous/biological and nonaqueous/HPLC/GC solvent applications

Nalgene Syringe Filters

Cat. No.	Color Code	Membrane	Pore Size, µm	No. per Pack/Case
171-0020	Blue	CA	0.2	100/400
176-0020	Purple	Nylon	0.2	100/400
171-0045	Orange	CA	0.45	100/400
176-0045	Green	Nylon	0.45	100/400

Thermo Scientific Nalgene Syringe Filters

13 mm Diameter

Nalgene™ Syringe Filters (13 mm diameter) can accommodate sample volumes from 2 to 10 mL.

For small volume filtration of aqueous solutions and media (PES membrane) or solvents (PTFE membrane).

Nontoxic Triton™-free membranes are integrally sealed within housing to eliminate bypass and minimize fluid loss. Membranes are supported on both sides, for vacuum or pressure filtration. Use with both slip-fit and locking-type Luer syringes.

details

- 2 to 10 mL sample size
- Inlet: Female Luer-Lok™
- Outlet: Male Luer slip

PTFE Teflon® Membrane

- Naturally hydrophobic
- Ideal for sterile venting of air or other gases during filtration
- Membrane is in polypropylene housing that is resistant to corrosive acids, bases and organic solvents
- Excellent for HPLC/GC solvent filtration
- Non-sterile; autoclavable

Polyethersulfone (PES) Membrane

- Higher flowrates, lower protein binding and lower extractables than cellulosic membranes
- Ideal for sterile filtration and clarification of cell culture media, buffers and additives
- Naturally hydrophilic; contains no wetting agents
- Membrane is in modified acrylic housing
- Certified sterile, non-cytotoxic and non-pyrogenic
- Do not autoclave

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Nalgene Syringe Filters

Cat. No.	Membrane	Pore Size, µm	Sterile	No. per Case
Acrylic housing				
180-1320	PES	0.2	Yes	50
Polypropylene housing				
187-1320	PTFE	0.2	No	100
187-1345	PTFE	0.45	No	100

Thermo Scientific Nalgene Syringe Prefilter

Nalgene™ Syringe Prefilter can clarify small volumes of highly viscous solutions and remove large particulates from suspensions.

Use with standard and Luer-Lok™ syringes; also accepts hypodermic needles. For serial filtration, Luer-Lok outlet provides positive-locking connection to downstream syringe filter.

details

- Disposable 25 mm prefilter
- Prevents clogging of final filter
- Increases sample recovery
- One-piece modified acrylic housing provides leak-resistant seal, eliminating bypass and minimizing fluid loss
- Glass fiber medium
- Contains no adhesives that can affect results

Nalgene Syringe Prefilter

Cat. No.	Description	Sterile	Dia., mm	No. per Case
189-2000	Syringe Prefilter	No	25	50

Thermo Scientific Nalgene Syringe Prefilter Plus

Nalgene™ Syringe Prefilter Plus provides two-stage filtration for sterilization of highly viscous solutions or solutions with high particulate loads. The filter and prefilter membranes are combined in one disposable unit.

Prefilter increases sample yield by preventing larger particles from clogging the downstream membrane.

details

- Filter and prefilter in one disposable unit
- 25 mm filter with cellulose acetate membrane and integral glass fiber prefilter
- CA pore size: 0.2 µm
- Certified non-cytotoxic and non-pyrogenic

Nalgene Syringe Prefilter Plus

Cat. No.	Membrane	Material or Housing	Sterile	Dia., mm	No. per Case
192-2520	Glass-Fiber and 0.2 µm Cellulose Acetate Membrane	Modified Acrylic	Yes	25	50

Thermo Scientific Nalgene Syringe Filters

25 mm Diameter

Nalgene™ Syringe Filters (25 mm diameter) are ideal for sample volumes of 10 to 50 mL.

Use for culture media and additives (PES, SFCA), buffers (CA), alcohol or DMSO (Nylon), and HPLC/GC solvents (PTFE).

Membranes are sealed within the housing to eliminate bypass and minimize fluid loss. Membranes are supported on both sides, for vacuum or pressure filtration. Sterile versions are certified sterile, non-cytotoxic and non-pyrogenic. Use with both slip-fit and locking-type Luer syringes; accepts standard hypodermic needles.

details

- 10 to 50 mL sample size
- Inlet: Female Luer-Lok™; Outlet: Male Luer slip or Luer-Lok
- Pore size and membrane type printed on unit

Surfactant-free Cellulose Acetate (SFCA) Membrane

- Ideal for sterilization and clarification of: biological/immunological samples, cell culture media and additives, and biological fluids
- Low protein binding
- No wetting agents
- Modified acrylic housings

Cellulose Acetate (CA) Membrane

- Ideal for sterile filtration buffers, aqueous solutions and reagents
- Low protein binding
- Modified acrylic housings

Polyether Sulfone (PES) Membrane

- Best choice for cell culture media
- Lowest protein binding
- Lowest extractables
- Modified acrylic housings

Nylon Membrane

- Useful for sterilizing cryoprotectants such as DMSO, and for filtration of aqueous/biological and nonaqueous/HPLC/GC solvents
- Low extractables
- Polypropylene housings

PTFE Teflon® Membrane

- Solvent resistant
- Use for prefiltration and clarification of organic solvents and alcohols
- Also good for venting of air or other gases
- Polypropylene housings

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Thermo Scientific Nalgene Syringe Filters

25 mm diameter, continued

Nalgene Syringe Filters

Cat. No.	Membrane	Pore Size, µm	Sterile	No. per Case
Acrylic housing				
190-2520	SFCA	0.2	Yes	50
190-9920	SFCA	0.2	Yes	125
190-2545	SFCA	0.45	Yes	50
190-9945	SFCA	0.45	Yes	125
190-2580	CA	0.8	Yes	50
191-2020	SFCA	0.2	No	300
191-2045	SFCA	0.45	No	300
191-2080	CA	0.8	No	300
194-2520	PES	0.2	Yes	50
194-2545	PES	0.45	Yes	50
Polypropylene housing				
195-2520	Nylon	0.2	Yes	50
195-2545	Nylon	0.45	Yes	50
196-2020	Nylon	0.2	No	300
196-2045	Nylon	0.45	No	300
199-2020	PTFE	0.2	No	300
199-2045	PTFE	0.45	No	300

Thermo Scientific Nalgene 50 mm Inline Syringe Filter PTFE Membrane

Nalgene™ 50 mm Inline Syringe Filter with PTFE Teflon® membrane is used for filtration of aggressive chemicals, including acids and non-aqueous solvents, such as those used in GC and HPLC.

Also for sterile filtration of air and gases.

Useful for benchtop fermenters, in-line gas filtration for sterile air or CO_2 and to protect vacuum pumps from damage by aqueous solutions. Also designed for filtration of aggressive chemicals and solvents such as those used in GC and HPLC.

details

- Sample volume size: 0.2 to 5.0 L
- Inlet/Outlet: Stepped hose barb accepts 1/4 to 3/8 in. (6 to 9 mm) I.D. tubing
- 0.2 and 0.45 µm pore sizes
- Autoclavable
- Polypropylene housing

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Nalgene 50 mm Inline Syringe Filter PTFE Membrane

Cat. No.	O.D., mm	Pore Size, µm	No. per Case
DS0222-0020	50	0.2	10
DS0222-0045	50	0.45	10

Thermo Scientific Nalgene Carboy Vent Filter

Nalgene™ Carboy Vent Filter is used for venting and solvent filtration applications.

PTFE Teflon® filter membrane is ideal for maintaining purified water stored in carboys or for sterile venting during carboy autoclaving. Permits sterile venting on a slow exhaust/liquid autoclave cycle of Nalgene PP and PC carboys up to 50 liters.

details

- PTFE membrane, polypropylene housing
- Hydrophobic 0.2 µm membrane
- Disposable
- Can be used up to five times in venting applications
- Non-sterile

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Nalgene Carboy Vent Filter

Cat. No.	Description	Pore Size, µm	No. per Case
223-0030	Carboy Vent Filter	0.2	3

Thermo Scientific Nalgene Vacuum Manifold

Nalgene™ Vacuum Manifold features widely spaced outlets that permit easy funnel manipulation.

This stable benchtop unit is made of high-quality stainless steel and has three vacuum outlets, each with leakproof†, two-way valve and vent port.

details

- Outlets are spaced for easy manipulation of individual filter funnels
- Teflon® stopcock on each valve shuts off flow when fewer than three outlets are used
- Ideal for use with Nalgene reusable filter funnel with clamp (Cat. No. DS0315-0047)
- Use with Nalgene analytical filter funnels or test filter funnels (Cat. Nos. 140-4045, 147-0045, 145-0020/-0045/-2020/-2045)

Includes: Three vacuum outlets, each with two-way valve and vent port; hose barb vacuum connector for 0.38 in. (9.5 mm) I.D. tubing.

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Nalgene Vacuum Manifold

Cat. No.	Description	No. per Case
DS0345-0001	Vacuum Filter Funnel Manifold	1
DS0396-0080	Rubber Filter Stopper, #8 with 15 mm (19/32 inch) hole	3

Thermo Scientific Nalgene Vacuum Gasket for Filter Funnel

Nalgene™ Vacuum Gasket is the bulk-packed version of the vacuum gasket included with each Nalgene filter holder with funnel (4000/-4050).

Use our Nalgene Vacuum Gasket with any manifold or filtering flask in place of a #7 or #8 stopper; permits the filter funnel to slide quickly and easily in and out of the gasket without jamming.

details

- Thermoplastic elastomer forms reliable seal
- For use with any filtering flask that requires a #7 or #8 stopper

Ordering Information: One vacuum gasket is packed with each Nalgene filter holder with funnel (Cat. No. DS0310-4000/-5050) and with each package of analytical filter funnels (Cat. No. 140-4045).

Nalgene Vacuum Gasket for Filter Funnels

Cat. No.	Description	No. per Case
DS0395-0708	Vacuum Gasket	6

Thermo Scientific Nalgene Filter Funnel Adapter

The Nalgene™ Filter Funnel Adapter is the bulk-packed version of funnel adapters included with 145- and 147-series analytical test filter funnels.

Useful for high-throughput QC testing laboratories.

details

- Polypropylene
- Non-sterile

Nalgene Filter Funnel Adapter

Cat. No.	Description	No. per Case
DS0397-0010	Filter Funnel Adapter	25

Thermo Scientific Nalgene Stainless Steel Forceps

Nalgene™ Stainless Steel Forceps are available in bent or straight-tip styles.

Bent-tip style is designed for easy removal and manipulation of filter membranes.

details

- Stainless steel
- Self-closing (bent tip)
- Serrated gripping area
- Autoclavable

Nalgene Stainless Steel Forceps

Cat. No.	Tip Style	No. per Case
DS0399-0001	Bent tip	1
DS0399-0002	Straight tip	1

Thermo Scientific Nalgene Polycarbonate Filling Bell

Nalgene™ Polycarbonate Filling Bell is used to transfer sterile media aseptically from large containers to media bottles or culture vessels.

The bell is ideal for aseptic media transfer to small vessels or bottles.

Transparent and autoclavable, this filling bell fits most common media bottles.

details

- Nontoxic polycarbonate will not shatter
- Beaded bell lip for added strength
- Equipped with autoclavable polypropylene tubing adapter that accepts 1/4, 3/8 and 1/2 in. I.D. (6, 9, and 13 mm) tubing
- Bell I.D., 2-7/8 in. (70 mm)
- Dripless inner fill tube has length of 2-1/2 in. (63 mm); O.D., 3/8 in. (9 mm); I.D., 1/4 in. (6 mm)

Ordering Information: Overall height with tubing adapter, 4-1/2 in. (114 mm).

Nalgene Polycarbonate Filling Bell

Cat. No.	Description	H x I.D., mm	Inside Dia., mm	No. per Case
DS0390-0070	Filling Bell	114 x 70	70	1

Thermo Scientific Nalgene Bubble Point Test Apparatus

The Nalgene™ Bubble Point Test Apparatus tests filter unit membranes without removing the membrane from the filter unit.

An efficient method to test any Nalgene Rapid-Flow™ Filter Unit or Bottle Top™ Filter, which helps insure product integrity.

details

- Cast aluminum
- Tests the bubble point of 50, 75 and 90 mm diameter Nalgene filtration products
- Calibrated gauge and pressure source not included
- Accepts 1/4 in. (6 mm) I.D. tubing

Includes: Adapters and o-rings

Nalgene Bubble Point Test Apparatus

Cat. No.	Description	No. per Case
DS0405-0050	Bubble Point Test Apparatus	1

How to Order Replacement Parts: Nalgene Filterware

Orders filled for package quantity only except as noted. Use the complete Replacement Part Number when ordering. Contact your local representative for additional details.

For use with Cat. No.	Replacement Description	Part No.	Pkg. Qty.
DS0300-Series	Kit of 2 Sterilization Plates (clear), 2 O-Rings (1.6-in. I.D.)	71-0300-0003	1
DS0300-Series	Kit of 8 Caps (natural), 1 Tubing Adapter (white)	71-0300-0005	1
DS0300-Series	Kit of 2 Tubing Adapters (white)	71-0300-0006	2
DS0300-4000	Kit of 4 O-Rings (1.6-in. I.D.), 2 Gaskets	71-0300-0001	1
DS0300-4000	Kit of 2 Analytical Plates (white), 2 O-Rings (1.6-in. I.D.)	71-0300-0002	1
DS0300-4050	Kit of 2 Analytical Plates (white), 2 O-Rings (1.6-in. I.D.)	71-0300-0002	1
DS0300-4050	Kit of O-Rings: 4 - 1/6.-in. I.D., 2 - 4.2-in. I.D.	71-0300-0004	1
DS0300-4100	Kit of O-Rings: 4 - 1/6.-in. I.D., 2 - 4.2-in. I.D.	71-0300-0004	1
DS0300-4100	Kit of 2 Analytical Plates (white), 2 O-Rings (1.6-in. I.D.)	71-0300-0002	1
DS0310-Series	Kit of 2 Sterilization Plates (clear), 2 O-Rings (1.6-in. I.D.)	71-0300-0003	1
DS0310-Series	Kit of 8 Caps (natural), 1 Tubing Adapter (white)	71-0300-0005	1
DS0310-Series	Kit of 2 Tubing Adapters (white)	71-0300-0006	2
DS0310-4000	Kit of 4 O-Rings (1.6-in. I.D.), 2 Gaskets	71-0300-0001	1
DS0310-4000	Kit of 2 Analytical Plates (white), 2 O-Rings (1.6-in. I.D.)	71-0300-0002	1
DS0310-4050	Kit of 2 Analytical Plates (white), 2 O-Rings (1.5-in. I.D.)	71-0300-0002	1
DS0310-4050	Kit of O-Rings: 4 - 1/6.-in. I.D., 2 - 4.2-in. I.D.	71-0300-0004	1
DS0315-0047	Upper Reservoir w/Gasket	71-0315-0001	1
DS0315-0047	Lower Stem w/Support Plate	71-0315-0002	1
DS0315-0047	Cover w/3 TPE Caps	71-0315-0003	3
DS0315-0047	6 Gaskets	71-0315-0004	6
DS0315-0047	Gasket	71-0320-0001	4
DS0320-Series	Kit of 2 Sterilization Plates (clear), 2 O-Rings (1.6-in. I.D.)	71-0300-0003	1
DS0320-Series	Kit of 8 Caps (natural), 1 Tubing Adapter (white)	71-0300-0005	1
DS0320-Series	Kit of 2 Tubing Adapters (white)	71-0300-0006	2
DS0320-2533	Kit of 4 O-Rings (1.6-in. I.D.), 2 Gaskets	71-0300-0001	1
DS0320-2533	Kit of 4 Bottle-Top Gaskets (1.18-in. O.D.)	71-0320-0033	5
DS0320-2545	Kit of 4 O-Rings (1.6-in. I.D.), 2 Gaskets	71-0300-0001	1
DS0320-2545	Kit of 4 Bottle-Top Gaskets (1.67-in. O.D.)	71-0320-0045	5
DS0320-5033	Kit of O-Rings: 4 - 1/6.-in. I.D., 2 - 4.2-in. I.D.	71-0300-0004	1
DS0320-5033	Kit of 4 Bottle-Top Gaskets (1.18-in. O.D.)	71-0320-0033	5
DS0320-5045	Kit of O-Rings: 4 - 1/6.-in. I.D., 2 - 4.2-in. I.D.	71-0300-0004	1
DS0320-5045	Kit of 4 Bottle-Top Gaskets (1.67-in. O.D.)	71-0320-0045	5
DS0345-0001	Filter Manifold Stopcock	71-0345-0010	1