

Nalgene™ Rapid-Flow™ Sterile Disposable Filter Units with PES Membrane



Related applications: [Filtration](#)

Increase sample protection and filtration efficiency with Thermo Scientific™ Nalgene™ Rapid-Flow™ disposable Filter Units with PES Membrane. These units feature the exclusive Rapid-Flow support plate design, providing fast flow rates and high throughput. The last line of defense against cell culture contamination—low protein binding polyethersulfone (PES) membranes with low extractables are the best choice for sterile filtration of cell culture media, serum, additives and buffers.

Description

Features

- 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
- Gamma radiation-sterilized and individually bagged for a 5-year sterile shelf life

Polyethersulfone (PES) Membrane

- Low protein binding to maintain protein balance
- Low extractables to maintain media purity
- Blue collar for easy identification
- Asymmetric PES membrane plus unique Rapid-Flow support plate design provides fast flow and high throughput of fluids for increased filtration efficiency
- 0.2µm units protect against bacterial contamination
- 0.1µm units also protect against Mycoplasma contamination

115mL Sizes

- Compact filter units for quick filtration of 50-100mL 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)
- 115mL sizes do not have Rapid-Flow support plate design

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 100mm, 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 100mm 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

Catalog number	Product Size	Pore Size	Diameter (Metric) Membrane	Volume (Metric) Receiver
566-0010	Case of 12	0.1µm	75mm	500mL
124-0045	Case of 72	0.45µm	50mm	115mL
165-0045	Case of 12	0.45µm	50mm	150mL
166-0045	Case of 12	0.45µm	75mm	500mL
167-0045	Case of 12	0.45µm	90mm	1000mL
168-0045	Case of 12	0.45µm	50mm	250mL
169-0045	Case of 12	0.45µm	90mm	500mL
524-0020	Case of 72	0.2µm	50mm	115mL
564-0020	Case of 12	0.2µm	50mm	50mL
565-0010	Case of 12	0.1µm	50mm	150mL