

Фильтры бутылочные CARL ROTH Steritop, MILLIPORE Express PLUS, Stericup, Durapore, Rapid-Flow, Stericup E, Steritop E

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Bottle-top filters



S

Bottle-top filters Steritop™

MERCK MILLIPORE. **Sterile.**

For sterile filtration of tissue culture media, sera, additives, buffers and other aqueous solutions. Compatible with 45 mm or GL 45 screw top bottles suitable for vacuum.

- Low protein binding
- High flow speeds, short filtration times
- 40 cm² filtration surface
- Housing made of PS
- Max. application temperature 45 °C
- Vacuum connection for hoses with inner Ø of 6.5 to 12 mm

MILLIPORE Express® PLUS (PES) membrane

With low protein binding.

Pore size (µm)	Funnel volume (ml)	Art. No.	Pack Qty.	
0,22	150	X334.1	12 unit(s)	
0,22	250	X335.1	12 unit(s)	
0,22	500	X336.1	12 unit(s)	
0,22	1,000	X337.1	12 unit(s)	

Durapore® (PVDF) membrane

With very low protein binding.

Pore size (µm)	Funnel volume (ml)	Art. No.	Pack Qty.	
0,22	500	CT99.1	12 unit(s)	



S

Receiver bottle Stericup®

MERCK MILLIPORE. Material: PS, PE screw cap. **Sterile.**

Receiver bottles for Steritop™ and Stericup® bottle-top filters.

Bottle volume (ml)	Thread	Art. No.	Pack Qty.	
250	45 mm	CX04.1	12 unit(s)	
500	45 mm	CX05.1	12 unit(s)	
1,000	45 mm	CX06.1	12 unit(s)	



S

Filtration unit Stericup® with MILLIPORE Express® PLUS (PES) membrane

MERCK MILLIPORE. **Sterile.**

A combination of bottle-top filter and collecting bottle. For routine sterile filtration of tissue culture media, sera, additives and other aqueous solutions. Ideal for use under laminar flow conditions thanks to its compact form. Stackable bottles.

- Low protein binding
- High flow speeds, short filtration times
- 73 mm membrane diameter
- 40 cm² filtration surface
- Housing made of PS
- Max. application temperature 45 °C
- Vacuum connection for hoses with inner Ø of 6.5 to 12 mm

Pore size 0.1 µm

For removal of mycoplasma.

Pore size (µm)	Ø Membrane (mm)	Funnel volume (ml)	Bottle volume (ml)	Art. No.	Pack Qty.	
0,10	73	250	250	CX01.1	12 unit(s)	

Pore size 0.22 µm

Pore size (µm)	Ø Membrane (mm)	Funnel volume (ml)	Bottle volume (ml)	Art. No.	Pack Qty.	
0,22	73	150	150	X338.1	12 unit(s)	
0,22	73	250	250	X339.1	12 unit(s)	
0,22	73	500	500	X340.1	12 unit(s)	
0,22	73	500	1,000	X341.1	12 unit(s)	
0,22	73	1,000	1,000	X342.1	12 unit(s)	



Bottle-top filters



S

Filtration unit Stericup® with Durapore® (PVDF) membrane

MERCK MILLIPORE. **Sterile.**

A combination of bottle-top filter and collecting bottle. For routine sterile filtration of tissue culture media, sera, additives and other aqueous solutions. Ideal for use under laminar flow conditions thanks to its compact form. Bottles are stackable.

- Very low protein binding
- High flow speeds, short filtration times
- 73 mm membrane diameter
- 40 cm² filtration surface
- Housing made of PS
- Max. application temperature 45 °C
- Vacuum connection for hoses with inner Ø of 6.5 to 12 mm

Pore size 0.22 µm

Pore size (µm)	Ø Membrane (mm)	Funnel volume (ml)	Bottle volume (ml)	Art. No.	Pack Qty.	
0,22	73	150	150	CT87.1	12 unit(s)	
0,22	73	250	250	CT88.1	12 unit(s)	
0,22	73	500	500	CT89.1	12 unit(s)	
0,22	73	500	1,000	CT90.1	12 unit(s)	
0,22	73	1,000	1,000	CT91.1	12 unit(s)	

Pore size 0.45 µm

Pore size (µm)	Ø Membrane (mm)	Funnel volume (ml)	Bottle volume (ml)	Art. No.	Pack Qty.	
0,45	73	150	150	CT92.1	12 unit(s)	
0,45	73	250	250	CT93.1	12 unit(s)	
0,45	73	500	500	CT94.1	12 unit(s)	
0,45	73	1,000	1,000	CT96.1	12 unit(s)	



S

Filtration unit with cellulose nitrate membrane

Nalgene. **Sterile.**

Triton-free cellulose nitrate membrane (**CN**) with excellent wetting properties and high flow rates for aqueous solutions. For cold sterilisation, clear filtration, prefiltration and ultrafiltration of buffers, microbiological culture media and other aqueous solutions.

Type:

- Green colour coding
- white membrane colour
- Filtration units made of PS
- Graduated filter upper sections and filter bottles
- With quick connector tube adapter and cotton stopper
- Leakproof screw cap
- Filtration units are non-pyrogenic and non-cytotoxic

Filtration units with volumes of 500 and 1000 ml are delivered with 12 glass fibre prefilters included.

Pore size 0.2 µm, without grid

Pore size (µm)	Ø Membrane (mm)	Funnel volume (ml)	Bottle volume (ml)	Art. No.	Pack Qty.	
0,20	50	150	150	AC48.1	12 unit(s)	
0,20	50	250	250	AC51.1	12 unit(s)	
0,20	75	500	500	AC54.1	12 unit(s)	
0,20	75	500	1,000	AC57.1	12 unit(s)	

Pore size 0.45 µm, with grid

Pore size (µm)	Ø Membrane (mm)	Grid colour	Funnel volume (ml)	Bottle volume (ml)	Art. No.	Pack Qty.	
0,45	50	green	150	150	AC49.1	12 unit(s)	
0,45	50	green	250	250	AC52.1	12 unit(s)	
0,45	75	green	500	500	AC55.1	12 unit(s)	
0,45	75	green	500	1,000	AC58.1	12 unit(s)	

Pore size 0.8 µm, with grid

Pore size (µm)	Ø Membrane (mm)	Grid colour	Funnel volume (ml)	Bottle volume (ml)	Art. No.	Pack Qty.	
0,80	50	black	150	150	AC50.1	12 unit(s)	
0,80	50	black	250	250	AC53.1	12 unit(s)	
0,80	75	black	500	500	AC56.1	12 unit(s)	
0,80	75	black	500	1,000	AC59.1	12 unit(s)	

Bottle-top filters



S

Receiver bottle for bottle-top filters

Nalgene. Material: PS, PE screw cap. **Sterile.**

Thread 45 mm. Screw cap can be closed with 1½ turns. Non-pyrogenic, non-cytotoxic. γ-sterilised.

Suitable for all bottle-top filters and filtration units with Art. No. AC08.1 to AC59.1.

Bottle volume (ml)	Thread	Art. No.	Pack Qty.	
150	45 mm	AC60.1	24 unit(s)	
250	45 mm	AC61.1	24 unit(s)	
500	45 mm	AC62.1	12 unit(s)	
1,000	45 mm	AC63.1	12 unit(s)	



S

Filtration unit with SFCA membrane

Nalgene. **Sterile.**

Membranes made of surfactant-free cellulose acetate (SFCA) with extremely low protein binding and high flow rate. SFCA is ideal for applications in tissue culture and for filtration of sera containing protein, as the membranes do not contain any surfactants that could have a toxic effect on cells.

Type:

- Yellow colour coding
- Filtration units made of PS
- Graduated filter upper sections and filter bottles
- With quick connector tube adapter and cotton stopper
- Leakproof screw cap
- Filtration units are non-pyrogenic and non-cytotoxic

Filtration units Art. No. AC27.1 and AC28.1 are delivered with 12 glass fibre prefilters included.

Pore size 0.2 µm

Pore size (µm)	Ø Membrane (mm)	Funnel volume (ml)	Bottle volume (ml)	Art. No.	Pack Qty.	
0,20	50	150	150	AC23.1	12 unit(s)	
0,20	50	250	250	AC25.1	12 unit(s)	
0,20	75	500	500	AC27.1	12 unit(s)	
0,20	90	500	500	AC29.1	12 unit(s)	
0,20	90	1,000	1,000	AC31.1	12 unit(s)	

Pore size 0.45 µm

Pore size (µm)	Ø Membrane (mm)	Funnel volume (ml)	Bottle volume (ml)	Art. No.	Pack Qty.	
0,45	50	150	150	AC24.1	12 unit(s)	
0,45	50	250	250	AC26.1	12 unit(s)	
0,45	75	500	500	AC28.1	12 unit(s)	
0,45	90	500	500	AC30.1	12 unit(s)	
0,45	90	1,000	1,000	AC32.1	12 unit(s)	



S

Bottle-top filters with SFCA membrane

Nalgene. **Sterile.**

Filter with SFCA membrane for screwing onto bottles with thread 45 mm or GL 45. The leakproof screw cap enables vacuum filtration directly into a sterile bottle.

Type:

- Yellow colour coding
- Graduated filter upper section
- Quick connector tube adapter for tubes with internal Ø 6–8 mm
- Leakproof screwed connection for vacuum filtration
- Filtration units are non-pyrogenic and non-cytotoxic

Pore size 0.2 µm

Pore size (µm)	Ø Membrane (mm)	Funnel volume (ml)	Art. No.	Pack Qty.	
0,20	50	150	AC33.1	12 unit(s)	
0,20	75	500	AC35.1	12 unit(s)	
0,20	90	1,000	AC37.1	12 unit(s)	

Pore size 0.45 µm

Pore size (µm)	Ø Membrane (mm)	Funnel volume (ml)	Art. No.	Pack Qty.	
0,45	50	150	AC34.1	12 unit(s)	
0,45	75	500	AC36.1	12 unit(s)	



Bottle-top filters



S

Filtration unit Rapid-Flow™ with PES membrane

Nalgene. **Sterile.**

Disposable filtration unit with hydrophilic polyethersulfone diaphragm (**PES**). The innovative Rapid-Flow™ design of the filter membrane carrier plate provides faster flow rates and higher flow volumes. The PES membrane with minimal protein binding and a minimal proportion of extractable substances is ideally suited to biological sterile filtration of cell culture media, sera, additives and buffers.

Type:

- Blue colour coding
- Filtration units made of PS
- Graduated filter upper sections and filter bottles
- With quick connector tube adapter and cotton stopper
- Leak-proof screw cap closure
- Gamma sterilised and individually packed
- Filtration units are **non-pyrogenic** and **non-cytotoxic**

Not a medical device / Not an IVD product

Pore size 0.1 µm

Application examples:

- 0.1 µm filters also protect against mycoplasma contamination

Pore size (µm)	Ø Membrane (mm)	Funnel volume (ml)	Bottle volume (ml)	Art. No.	Pack Qty.	
0,1	50	150	150	1LAX.1	12 unit(s)	
0,1	50	250	250	1LAY.1	12 unit(s)	
0,1	75	500	500	1LC0.1	12 unit(s)	
0,1	90	1,000	1,000	1LC1.1	12 unit(s)	

Pore size 0.2 µm

Application examples:

- 0.2 µm filters remove bacteria and microbes and are used for sterile filtration

Pore size (µm)	Ø Membrane (mm)	Funnel volume (ml)	Bottle volume (ml)	Art. No.	Pack Qty.	
0,2	50	150	150	AC08.1	12 unit(s)	
0,2	50	250	250	AC10.1	12 unit(s)	
0,2	75	500	500	AC12.1	12 unit(s)	
0,2	90	500	500	AC14.1	12 unit(s)	
0,2	90	1,000	1,000	AC16.1	12 unit(s)	

Pore size 0.45 µm

Application examples:

- 0.45 µm filters ensure particle removal and fluid clarification

Pore size (µm)	Ø Membrane (mm)	Funnel volume (ml)	Bottle volume (ml)	Art. No.	Pack Qty.	
0,45	50	150	150	AC09.1	12 unit(s)	
0,45	50	250	250	AC11.1	12 unit(s)	
0,45	75	500	500	AC13.1	12 unit(s)	
0,45	90	500	500	AC15.1	12 unit(s)	
0,45	90	1,000	1,000	AC17.1	12 unit(s)	



S

Bottle-top filters with PES membrane

Nalgene. **Sterile.**

Filter with **PES** membrane for screwing onto bottles with thread 45 mm or GL 45. The leakproof screw cap enables vacuum filtration directly into a sterile bottle. Art. No. AC18.1, AC20.1 and AC22.1 with PES membrane Supor®.

Type:

- Blue colour coding
- Graduated filter upper section
- Quick connector tube adapter for tubes with internal Ø 6–8 mm
- Leakproof screwed connection for vacuum filtration
- Filtration units are non-pyrogenic and non-cytotoxic

Pore size 0.2 µm

Pore size (µm)	Ø Membrane (mm)	Funnel volume (ml)	Art. No.	Pack Qty.	
0,20	50	150	AC18.1	12 unit(s)	
0,20	75	500	AC20.1	12 unit(s)	
0,20	90	1,000	AC22.1	12 unit(s)	

Pore size 0.45 µm

Pore size (µm)	Ø Membrane (mm)	Funnel volume (ml)	Art. No.	Pack Qty.	
0,45	50	150	AC19.1	12 unit(s)	
0,45	75	500	AC21.1	12 unit(s)	

Bottle-top filters



S

Filtration unit with nylon membrane

Nalgene. **Sterile.**

Ideal for sterile filtration of culture media and sensitive cell and tissue cultures. Alcohol-resistant **nylon** membranes with extremely low content (<0.5 percent by weight) of extractable substances and high flow rates with short filtration times. Hydrophilic and free of surfactants.

Type:

- Red colour coding
- Filtration units made of PS
- Graduated filter upper sections and filter bottles
- With quick connector tube adapter and cotton stopper
- Leakproof screw cap
- Filtration units are non-pyrogenic and non-cytotoxic

Filtration units with a membrane Ø of 75 mm are delivered with 12 glass fibre prefilters included.

Pore size 0.2 µm

Pore size (µm)	Ø Membrane (mm)	Funnel volume (ml)	Bottle volume (ml)	Art. No.	Pack Qty.	
0,20	50	150	150	AC38.1	12 unit(s)	
0,20	50	250	250	AC40.1	12 unit(s)	
0,20	75	500	500	AC42.1	12 unit(s)	
0,20	75	500	1,000	AC44.1	12 unit(s)	
0,20	90	500	500	AC46.1	12 unit(s)	
0,20	90	1,000	1,000	AC47.1	12 unit(s)	

Pore size 0.45 µm

Pore size (µm)	Ø Membrane (mm)	Funnel volume (ml)	Bottle volume (ml)	Art. No.	Pack Qty.	
0,45	50	150	150	AC39.1	12 unit(s)	
0,45	50	250	250	AC41.1	12 unit(s)	
0,45	75	500	500	AC43.1	12 unit(s)	
0,45	75	500	1,000	AC45.1	12 unit(s)	



A 121 °C



Filter funnels reusable

Nalgene. Material: PSF. Autoclavable: Yes.

Graduated. For use with membranes Ø 47 or 50 mm.

Delivery incl. suction sleeve, suitable for suction bottles with an internal neck Ø 30 to 38 mm.

Funnel volume (ml)	Art. No.	Pack Qty.	
250	ATC8.1	1 unit(s)	
500	ATC9.1	1 unit(s)	



A 121 °C

Filtration unit reusable

Nalgene. Material: PSF. Autoclavable: Yes.

Filter holder with receiver bottle for vacuum filtration with 47 mm or 50 mm membranes. With graduation and two tube connections for tubes with internal Ø 6–8 mm.

Delivery incl. cap for sterile filtrate storage.

Funnel volume (ml)	Bottle volume (ml)	Art. No.	Pack Qty.	
250	250	KA84.1	1 unit(s)	
500	500	KA85.1	1 unit(s)	
500	1,000	KA86.1	1 unit(s)	



Bottle-top filters



A 121 °C

Bottle-top filter holders reusable

Nalgene. Material: PSF. Autoclavable: Yes.

For screwing onto vacuum-sealed bottles with 33 mm thread or GL 45. Ideal for vacuum filtration with 47 mm or 50 mm membranes. With graduations. Hose connection for hoses with inner Ø of 6–8 mm.

Funnel volume (ml)	Thread	Art. No.	Pack Qty.	
500	33 mm	KA89.1	1 unit(s)	
500	GL 45	KA90.1	1 unit(s)	



S

Bottle-top filters Steritop™ E

MERCK MILLIPORE. Housing: PS, membrane: PES, hydrophilic. Sterile.

Funnelless bottle-top filter. This bottle-top filter enables direct filtration from a media bottle or tissue culture reagents/buffer bottle with a neck thread size of 38 mm or 45 mm into a vacuum-compatible, sterile screw top bottle with a neck thread of 45 mm or GL 45. The Steritop™ E funnelless bottle-top filter offers a more sustainable option for sterile filtration thanks to a considerable reduction in plastic and packaging material. For routine sterile filtration of tissue culture media, buffers, reagents and other aqueous liquids.

- Membrane material: Express® PLUS (PES) membrane, hydrophilic
- Low protein binding, high flow speed and short filtration time
- Housing: PS
- For sample volume: 150 to max. 1000 ml
- Membrane-Ø: 73 mm
- Filtration surface: 40 cm²
- Pore size: 0.22 µm
- Max. usage temperature: 50 °C
- Vacuum connection: for tubes with inner Ø of 6.5 to 12 mm

Pore size (µm)	Ø Membrane (mm)	Thread	Art. No.	Pack Qty.	
0,22	73	38 mm	1CA0.1	12 unit(s)	
0,22	73	45 mm	1CA1.1	12 unit(s)	



S

Filtration unit Stericup® E

MERCK MILLIPORE. Housing: PS, membrane: PES, hydrophilic. Sterile.

A combination of funnelless bottle-top filter and collecting bottle.

The bottle-top filter enables direct filtration into the sterile collecting bottle from a media bottle or tissue culture reagents/buffer bottle with a neck thread size of 38 mm or 45 mm. The Stericup® E funnelless sterile vacuum system offers a more sustainable option for sterile filtration thanks to a considerable reduction in plastic and packaging material. For routine sterile filtration of tissue culture media, buffers and reagents. Ideal for use under laminar flow conditions thanks to its compact form. Stackable bottles.

- Membrane material: Express® PLUS (PES) membrane, hydrophilic
- Low protein binding, high flow speed and short filtration time
- Housing: PS
- Sample volume: 150 to max. 500/1000 ml
- Membrane-Ø: 73 mm
- Filtration surface: 40 cm²
- Pore size: 0.22 µm
- Max. usage temperature: 50 °C
- Vacuum connection: for tubes with inner Ø of 6.5 to 12 mm
- Inlet connection: for screw top bottles 38 mm or 45 mm

Pore size (µm)	Ø Membrane (mm)	Bottle volume (ml)	Thread	Art. No.	Pack Qty.	
0,22	73	500	38 mm	1C9P.1	12 unit(s)	
0,22	73	500	45 mm	1C9T.1	12 unit(s)	
0,22	73	1,000	38 mm	1C9X.1	12 unit(s)	
0,22	73	1,000	45 mm	1C9Y.1	12 unit(s)	

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