



Filter Systems

- 1 Easy-to-read molded graduation marks on bottle top filter
- 2 Bold easy-to-read printed membrane and pore size for easy identification
- 3 Curved bottle design for easy handling
- 4 Printed lot number and expiration date on every bottle top
- 5 Improved filter support provides faster flow rates
- 6 Angled hose barb adapter fits three size hose diameters and prevents the filter from tipping
- 7 **NEW** - 0.10µm PES membrane ideal for mycoplasma removal
 - 0.22µm PES membrane is the first choice for sterile filtration of cell culture media
 - 0.45µm PES membrane ideal for solution clarification

Part No. 229723 - 500mL Filter System, 0.10µm

50mL Centrifuge Tube Filter Systems

- Eliminate a transfer step by filtering directly into a 50mL Tube
- One Centrifuge Tube Stand included with each case of 50mL Centrifuge Tube Filter Systems
- Centrifuge Tube Stands are manufactured from polypropylene and are autoclavable, reusable and recyclable
- Centrifuge Tube Stand will hold one 50mL tube, three 15mL tubes and three microcentrifuge tubes (1.5mL)

Multi-purpose Centrifuge Tube Stand available for purchase separately
Part No. 229409



Part No. 229709
50mL Centrifuge Tube Filter System, 0.45µm

Filter Systems & Bottle Top Filters



- Polyethersulfone (PES) membrane is for high flow and low binding
- **NEW** - Nylon (PA) membrane has excellent chemical compatibility and does not require pre-wetting
- Filter Systems include bottle top filter and solution bottle with cap
- Bottle top filters fit on CELLTREAT® solution bottles or other standard 45mm threaded solution storage bottles
- Bottle top filters do not include solution bottles (Solution bottles sold separately, see page 33)
- Centrifuge Tube Filter Systems include tube filter, centrifuge tube, cap and multi-purpose stand



FILTER SYSTEMS		S, R/D F, NP, USP, PS				
Part No.	Product Description	Membrane Material	Membrane Diameter	Filter Pore Size	Pack Description	Qty/Case
229701	150mL Filter System	PES	50mm	0.45µm	1/Bag	12
229702	250mL Filter System	PES	75mm	0.45µm	1/Bag	12
229703	500mL Filter System	PES	75mm	0.45µm	1/Bag	12
229704	1000mL Filter System	PES	90mm	0.45µm	1/Bag	12
229705	150mL Filter System	PES	50mm	0.22µm	1/Bag	12
229706	250mL Filter System	PES	75mm	0.22µm	1/Bag	12
229707	500mL Filter System	PES	75mm	0.22µm	1/Bag	12
229708	1000mL Filter System	PES	90mm	0.22µm	1/Bag	12
NEW 229721	150mL Filter System	PES	50mm	0.10µm	1/Bag	12
NEW 229722	250mL Filter System	PES	75mm	0.10µm	1/Bag	12
NEW 229723	500mL Filter System	PES	75mm	0.10µm	1/Bag	12
NEW 229724	1000mL Filter System	PES	90mm	0.10µm	1/Bag	12
BOTTLE TOP FILTERS		S, R/D F, NP, USP, PS				
229711	150mL Bottle Top	PES	50mm	0.45µm	1/Bag	24
229712	250mL Bottle Top	PES	75mm	0.45µm	1/Bag	24
229713	500mL Bottle Top	PES	75mm	0.45µm	1/Bag	24
229714	1000mL Bottle Top	PES	90mm	0.45µm	1/Bag	24
229715	150mL Bottle Top	PES	50mm	0.22µm	1/Bag	24
229716	250mL Bottle Top	PES	75mm	0.22µm	1/Bag	24
229717	500mL Bottle Top	PES	75mm	0.22µm	1/Bag	24
229718	1000mL Bottle Top	PES	90mm	0.22µm	1/Bag	24
NEW 229732	250mL Bottle Top	Nylon (PA)	75mm	0.45µm	1/Bag	24
NEW 229733	500mL Bottle Top	Nylon (PA)	75mm	0.45µm	1/Bag	24
CENTRIFUGE TUBE FILTER SYSTEMS		S, R/D F, NP, USP, PS				
229709	50mL Centrifuge Tube Filter	PES	50mm	0.45µm	1/Bag	12
229710	50mL Centrifuge Tube Filter	PES	50mm	0.22µm	1/Bag	12
229409	Multi-Purpose Stand	NA	NA	N/A	5/Bag	5

Syringe Filters



SYRINGE FILTERS							S, R/D F, NP, USP, PP
	Part No.	Membrane Material	Membrane Pore Size	Membrane Diameter	Sterile	Packaging	Qty/Case
NEW	229739	PES	0.10µm	30mm	Y	Individual	30
	229746	PES	0.22µm	13mm	Y	Individual	75
	229747	PES	0.22µm	30mm	Y	Individual	30
	229748	PES	0.45µm	13mm	Y	Individual	75
	229749	PES	0.45µm	30mm	Y	Individual	30
	229771	PES	0.45µm	30mm	N	Bulk	100
	229740	PVDF	0.10µm	13mm	Y	Individual	75
	229741	PVDF	0.10µm	30mm	Y	Individual	30
	229742	PVDF	0.22µm	13mm	Y	Individual	75
	229743	PVDF	0.22µm	30mm	Y	Individual	30
	229744	PVDF	0.45µm	13mm	Y	Individual	75
	229745	PVDF	0.45µm	30mm	Y	Individual	30
	229774	PVDF	0.45µm	30mm	N	Bulk	100
	229754	Nylon	0.45µm	13mm	Y	Individual	75
	229755	Nylon	0.45µm	30mm	Y	Individual	30
	229760	Nylon	0.22µm	13mm	Y	Individual	75
	229761	Nylon	0.22µm	30mm	Y	Individual	30
	229775	Nylon	0.22µm	30mm	N	Bulk	100
	229776	Nylon	0.45µm	30mm	N	Bulk	100
	229756	PTFE	0.22µm	13mm	Y	Individual	75
	229757	PTFE	0.22µm	30mm	Y	Individual	30
	229758	PTFE	0.45µm	13mm	Y	Individual	75
	229759	PTFE	0.45µm	30mm	Y	Individual	30
	229777	PTFE	0.22µm	13mm	N	Bulk	100
	229778	PTFE	0.22µm	30mm	N	Bulk	100
	229779	PTFE	0.45µm	13mm	N	Bulk	100
	229780	PTFE	0.45µm	30mm	N	Bulk	100
	229750	MCE	0.22µm	13mm	Y	Individual	75
	229751	MCE	0.22µm	30mm	Y	Individual	30
	229752	MCE	0.45µm	13mm	Y	Individual	75
	229753	MCE	0.45µm	30mm	Y	Individual	30
NEW	229768	Glass Fiber (GF)	1.1µm	30mm	Y	Individual	30
NEW	229762	CA	0.22µm	30mm	Y	Individual	30
NEW	229763	CA	0.45µm	30mm	Y	Individual	30
NEW	229764	CA	0.80µm	30mm	Y	Individual	30
NEW	229769	CA w/ GF Prefilter	0.22µm	30mm	Y	Individual	30
NEW	229765	SFCA	0.22µm	30mm	Y	Individual	30
NEW	229766	SFCA	0.45µm	30mm	Y	Individual	30

Syringe Filters



MOST POPULAR!
PES (Polyethersulfone) - Low affinity for proteins and extractables

- Faster flow rate than PVDF
- Pre-filtration and filtration of buffers and culture media
- Available in three pore sizes including 0.10µm for mycoplasma removal



PVDF (Polyvinylidene fluoride) - Low protein-binding for filtration of non-aggressive aqueous and mild organic solutions

- Maximizes protein recovery
- High temperature filtration



NYLON - Universal application for analytical procedures

- Chemical filtration
- Beverage filtration



PTFE (Polytetrafluoroethylene) - Hydrophobic membrane has great temperature resistance

- Degassing/clarifying aqueous samples
- Strong acid solvent filtration
- Alkali solvent filtration



MCE (Mixed Cellulose Ester) - Filtration of aqueous solutions

- Effectively binds trace proteins
- Oil particulates and bacteria filtration



GF (Glass Fiber) - Can be used as preliminary filtering step to avoid clogging

- Coarse particulate removal
- Pre-filtration



CA (Cellulose Acetate) - Low protein binding, reduced extractables and low hold-up volume

- Filtration of aqueous solutions such as buffers, media and reagents



SFCA (Surfactant Free Cellulose Acetate) - Similar uses to CA but contains no pre-wetting agents; Lower extractables

COLOR CODED FOR EASY IDENTIFICATION!

- 1 Filters are molded in the polypropylene housings, providing a reliable seal without the use of adhesives
- 2 Female luer-lock inlet and male luer slip outlet
- 3 0.22µm CA Syringe Filter with integrated GF prefilter (229769) ideal for one-step filtration of viscous solutions and particulate removal

- Individually packed in peel-to-open paper/plastic blister packs
- Also available bulk packed in PVDF, PES, PTFE and Nylon membranes