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# ReliaPrep™ Syringe Filters

Ahlstrom-Munksjö's premium brands complete the portfolio in laboratory filtration.

Ahlstrom-Munksjö offers a wide variety of syringe filters for convenient sample preparation and fluid sterilization. Cellulose Acetate and Polyether Sulfone membranes are ideal for samples containing proteins and generally recommended for aqueous solutions filtration; Nylon, syringe filters with PTFE and Regenerated Cellulose membrane are recommended for organic solvents filtration. Ahlstrom-Munksjö also offers syringe filters for highly loaded aqueous solutions including a glass fiber prefilter and a cellulose acetate membrane.

Ahlstrom-Munksjö ReliaPrep™ - Syringe Filters are offered in several different membranes and sizes to accommodate a variety of sample matrices for demanding sample preparation and microfiltration applications such as:

- Sample clarification/particulate removal
- Filtration of solvents used for chromatography applications
- Filtration of biological samples, tissue cultures, proteins and nucleic acids
- Sterile filtration and venting

## Ahlstrom-Munksjö ReliaPrep™

- Wide variety of membranes and pore sizes available
- High lot-to-lot reliability and reproducibility for consistent filtration quality
- Ultra-pure production facility in Germany according to the highest quality control standards
- Various filter diameters for different sample volumes and pack sizes available on demand
- Available in sterile, single packed or non-sterile packaging
- Transparent syringe filter housing for full visual control
- High quality housing construction and welding to prevent leaking

## Benefits and Characteristics

**Cellulose Acetate:** low protein-binding, well suited for sterile filtration and clarification of aqueous solutions, nutrient media, buffers, and sera. Also compatible with alcohol and oil. These hydrophilic membranes offer high and consistent flow rates.

**Regenerated Cellulose:** hydrophilic and resistant to solvents. Typically used for HPLC sample preparation.

**Nylon (Polyamide):** hydrophilic and widely used in both aqueous and organic solvent filtration applications. Well suited for clarification of buffers and nutrient media with a low level of extractables.

**Polyether Sulfone (PES):** uniform pore structure with high mechanical stability and chemical resistance. Offers excellent flow rate for critical filtration situations where high throughput is required with the lowest protein adsorption. First choice for the filtration of biological and pharmaceutical specimens.

**PTFE:** permanently hydrophobic filter material, very suitable for air and gas particulate filtration. Extremely resistant to aggressive solvents and acids. Must be pre-wetted with ethanol before the filtration of aqueous media.

## ReliaPrep™ Syringe Filters

Membrane	Diameter <sup>6</sup>	Pore size	Held-up	Housing <sup>4</sup>	Outlet <sup>5</sup>	Pack of 50	Pack of 500
	mm	µm	Volume µl				
Cellulose Acetate	28	0.2	100	MBS	Male Luer Lock	760502 <sup>1</sup>	760503
	28	0.2	100	MBS	Male Luer Slip	760516 <sup>1</sup>	-
	28	0.45	100	MBS	Male Luer Lock	760506 <sup>1</sup>	760507
	28	0.45	100	MBS	Male Luer Slip	760517 <sup>1</sup>	760518
	28	0.8	150	MBS	Male Luer Lock	760508 <sup>1</sup>	-
	28	1.2	100	MBS	Male Luer Lock	760513 <sup>1</sup>	-
	28	5	100	MBS	Male Luer Lock	760514 <sup>1</sup>	760515
Regenerated Cellulose	4	0.45	5	PP	Male Luer Slip	-	760527
	15	0.2 / 0.45	10	PP	Male Luer Slip	760519 / -	760520 / 760522
	25	0.2 / 0.45	100	PP	Male Luer Slip	760523 / 760525	760524 / 760526
Nylon (Polyamide)	15	0.2 / 0.45	10	PP	Male Luer Slip	760540 / 760542	760541 / 760543
	25	0.2 / 0.45	150	PP	Male Luer Lock	760548 <sup>1</sup> / 760549 <sup>1</sup>	760531 / 760532 <sup>2</sup>
PES	28	0.2 / 0.45	100	MBS	Male Luer Lock	760501 <sup>1</sup>	760534 / 760504
	28	0.2	150	MBS	Male Luer Slip	760505 <sup>1</sup>	-
PTFE	15	0.2 / 0.45	10	PP	Male Luer Slip	760535 / 760537	760536 / 760510
	15	0.45	10	PP	Male Spike	-	760509
	25	0.2 / 0.45	100	PP	Male Luer Slip	760538 / 760511	760539 / 760512
Cellulose Acetate with GF Prefilter	28	0.2 / 0.45 <sup>3</sup>	230	MBS	Male Luer Lock	-	760528 <sup>3</sup> / 760530 <sup>3</sup>
Glass Fiber	28	0.7	230	MBS	Male Luer Lock	-	760529

<sup>1</sup> Individually packed syringe filters sterilized by ethylene oxide.

<sup>2</sup> 25 mm diameter, 0.45 µm pore size are also available by pack of 1000 under the reference: 560533.

<sup>3</sup> Reference 760528 / 760530 contains a glass fiber prefilter and a 0.2 or 0.45 µm cellulose acetate membrane.

<sup>4</sup> MBS: Meta-acrylate-butadiene-styrene polymerisate; PP: polypropylene.

<sup>5</sup> Inlet: female luer lock.

<sup>6</sup> Filter area: Ø 28 mm = 5.3 cm<sup>2</sup> | Ø 25 mm = 4.8 cm<sup>2</sup> | Ø 15 mm = 1.7 cm<sup>2</sup> | Ø 4 mm = 0.07 cm<sup>2</sup>.

Other polymers, pore sizes, diameters, connections, sterile and non-sterile packs are available for special order.

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