

CELLULOSE ACETATE SYRINGE FILTERS

Recommended for clarification, purification and sterilisation of aqueous solutions and/or biological samples.

- Incorporated Surfactant-free Cellulose Acetate membrane fixed without adhesives to a MBS polymerisate housing.
- Ready to use syringe filter.
- Hydrophilic.
- Low adsorption.
- High flow rates.
- High total throughput.
- Low hold-up volume.
- Minimum extractables.
- Up to 100 ml of sample.
- Large filtration area and an optimized geometry of the filter support.
- Luer Lock outlet making it possible to connect one syringe to another, thus allowing serial filtration from a larger to a smaller pore size.
- Pore size 0.20 µm to 5.00 µm.
- Easy pore size identification by coloured houses.
- Disposable with a glass microfibre prefilter.
- Also available in individual sterile peel-packs.
- Not autoclavable, only feasible sterilization by gamma irradiation or ethylene oxide.

TECHNICAL SPECIFICATIONS

Material filter	Surfactant-free Cellulose Acetate membrane					
Material house	Meta acrylate butadiene styrene polymerisate					
Pore size (µm)	0.20	0.45	0.65	0.8	1.2	5.0
Colour code	blue	yellow	pink	green	red	brown
Flow rate ⁽¹⁾ (ml/min)	60	160	250	350	400	500
Bubble point (bar)	3.2	2.0	1.3	0.8	0.7	0.4
Filter diameter (mm)	28	28	28	28	28	28
Housing diameter (mm)	33	33	33	33	33	33
Filter area (cm²)	6.2	6.2	6.2	6.2	6.2	6.2
Hold up volume (ml) (before/after bubble point)	0.3 / 0.15	0.3 / 0.15	0.3 / 0.15	0.3 / 0.15	0.3 / 0.15	0.3 / 0.15
Adsorption ⁽²⁾	0.8-3 µg/cm ² with BSA, 8-12 µg/cm ² with gamma globulin					
Connectors	Female luer lock inlet Male luer lock outlet					
Cytotoxicity	No inhibition with MRC-5 or L-929 cells					
Endotoxins	≤ 0.06 EU/ml					
Max. operational pressure (bar)	4.5	4.5	4.5	4.5	4.5	4.5
Burst pressure (bar)	6	6	6	6	6	6
Max. temperature (°C)	50	50	50	50	50	50
Sterilization methode in sterile version	Ethylene oxide					

⁽¹⁾ Flow rate for water at Δp = 1 bar (100 kPa, 14.5 psi)

⁽²⁾ For pores size 0.2 µm

APPLICATIONS

- Sterile filtration of small volume liquids.
- Ultra-cleaning, purification, particulate removal and clarification of liquids.
- Sterile filtration and clarification of nutrient media, biological fluids, cell solution, proteins, enzymes serum or additives.
- Separation of virus / bacteria suspension.
- HPLC: Preparation of aqueous samples.
- Clinical applications: Sterile filtration of injection solutions.

ORDERING INFORMATION

NON-STERILE

Pore	0.20 µm	0.45 µm	0.80 µm	1.20 µm	5.0 µm
Units/box					
100	JAC02025100	JAC04525100	JAC08025100	JAC12025100	JAC50025100
500	JAC02025500	JAC04525500	JAC08025500	JAC12025500	JAC50025500

STERILE

Pore	0.2 µm	0.45 µm	0.65 µm	0.80 µm	1.20 µm	5.0 µm
Units/box						
50	JACS0202550	JACS0452550	JACS0652550	JACS0802550	JACS1202550	JACS5002550

