

DOMINIQUE DUTSCHER SAS

Whatman™ Polycap SPF capsule filters

Prefilters highly suitable for biological filtration, especially serum, buffer, and enzyme filtration

Overview

Whatman™ Polycap SPF capsule filters from Cytiva are optimized for prefiltration applications. They are typically used upstream of a Polycap AS or Polycap TC capsule during enzyme, nutrient media or buffer filtration.

- Three layers of filter media: fine glass microfiber (GMF), ultrafine GMF, and polyethersulfone (PES)
- Suitable for hard-to-filter solutions, particularly sera and protein solutions
- Can be sterilized by autoclaving
- Manufactured according to ISO9001:2008 QMS standards
- Well suited for serum, viral suspension, nutrient, biological, immunological, enzyme, and buffer filtration

Capsule filters for serum filtration

Biological filtration, especially serum filtration, is often difficult because of the high concentration of complex particulates, lipids, triglycerides, and lipoproteins in solution that can clog filters. Single-layer membrane filters clog rapidly without proper prefiltration.

Whatman™ Polycap SPF prefilters are highly suitable for biological filtration, especially serum, buffer, and enzyme filtration, because of the density graded pre-filtration layers they contain. Prefiltration with Whatman™ Polycap SPF can help extend the life of the final filter.

Product specifications
Whatman™ Polycap SPF 150 mm capsule filter, 1.0 µm, with hose barb inlet and outlet (5/Pk)

Catalog code	2820
Effective filtration area	920 cm²

Filter media	Polytetrafluoroethylene (PTFE)
Housing material	Polypropylene (PP)
Inlet/outlet connections	12 mm (½ in.) hose barb
Pore size	1 µm
Operating pressure max.	4.1 bar (60 psi)
Pack size	5/Pk
Prefilter material	Two layers of glass microfiber
Sealing technology	Heat-fused
Sterility	Autoclavable at 121ºC at 15 psi for 20 mi
Support system	Polypropylene (PP)

Whatman™ Polycap SPF 36 capsule filter, 1 µm, with SB inlet and outlet (1/Pk)

Catalog code	6705-3600
Effective filtration area	220 cm²
Filter media	Polytetrafluoroethylene (PTFE)
Housing material	Polypropylene (PP)
Inlet/outlet connections	Stepped hose barb 6-10 mm (1/4 -3/8 in.)
Pore size	1 µm
Operating pressure max.	4.1 bar (60 psi)
Pack size	1/Pk
Prefilter material	Two layers of glass microfiber
Sealing technology	Heat-fused
Sterility	Autoclavable at 121ºC at 15 psi for 20 mi
Support system	Polypropylene (PP)

Whatman™ Polycap SPF 75 capsule filter, 1 µm, with SB inlet and outlet (1/Pk)

Catalog code	6705-7500
Effective filtration area	450 cm²
Filter media	Polytetrafluoroethylene (PTFE)
Housing material	Polypropylene (PP)
Inlet/outlet connections	Stepped hose barb 6-10 mm (1/4 -3/8 in.)
Pore size	1 µm
Operating pressure max.	4.1 bar (60 psi)
Pack size	1/Pk
Prefilter material	Two layers of glass microfiber
Sealing technology	Heat-fused
Sterility	Autoclavable at 121ºC at 15 psi for 20 mi
Support system	Polypropylene (PP)

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