

Sartorius Vivaflow filtration system

- Crossflow filtration system easy to install and use: delivered with all its connections
- To be used with a variable speed peristaltic pump (200 to 400 ml/mn), type MASTERLEX
- Low dead volume
- Membrane suitable for the concentration of biological fluids
- High recovery rates
- Reliable and economical units
- Easy buffer changes with the diafiltration tank

Vivaflow 50 filtration system



Ready-to-use, single-use ultrafiltration module, 50 cm², suitable for volumes from 100 ml to 1 litre per cassette. Modular system with up to 6 cassettes to process samples of up to 5 litres or more.

Material:

- membrane : PES
- filter housing: polycarbonate
- circulation channels and membrane support : TPX (PMP)
- Sealing gasket: silicone
- pressure indicator: polypropylene / spring: stainless steel / body: acetal
- flow restrictor: polypropylene
- fittings: nylon
- tubes : PVC (medical grade)

- L x W x H: 107 x 84 x 25 mm
- Active surface of the membrane : 50 cm²
- Minimum recovery volume : < 10 ml
- Dead volume of the module : 1.5 ml
- Peristaltic pump flow rate : 200 to 400 ml/min
- Operating pressure : 1.5 to 3 bar
- Max. temperature : 60 °C

Vivaflow 50 kit and accessories

Cat. No.	Description	€ Excl. VAT
147051	Complete kit with peristaltic pump, "Easy load" pump head for size 16 hoses, hoses, sample / diafiltration tank, module holder, pressure indicator, T-connectors, interconnector set	NC -
147052	Easy Load pump head size 16	NC -
147053	500 ml sample tank / diafiltration	NC -
147054	Support for the use of 2 modules in parallel	NC -
147055	Pressure indicator (0.5 - 3 bar)	NC -
147056	PVC hoses size 16 (3 metres, 3.2 x 1.6 mm)	NC -
147057	Set of 6 flow reducers (2 x 0.4 mm, 0.6 mm, 0.8 mm)	NC -
147058	Female Luer fittings (10 units)	NC -
147059	Interconnector set (6 units)	NC -
147060	T-connectors for connecting 2 modules (2 units)	NC -

BSA 1 mg/ml (66 000 MW)	Time (min) for 20-fold concentration at 3 bar inlet pressure and 20°C		% Yield	
	1 module Initial Volume 250 ml	3 modules Initial Volume 1 litre	Direct	With rinsing 10 ml
30 000 Dalton PES	22	32	92 %	99 %
50 000 Dalton PES	20	29	92 %	99 %

Vivaflow 50 modules (including pipes, fittings and flow reducer)

Cat. No.	Description	Units/ carton	€ Excl. VAT/ carton
147044	Vivaflow 50 Module - 3 000 Dalton PES	2	NC -
147045	Vivaflow 50 Module - 5 000 Dalton PES	2	NC -
147046	Vivaflow 50 Module - 10 000 Dalton PES	2	NC -
147047	Vivaflow 50 Module - 30 000 Dalton PES	2	NC -
147048	Vivaflow 50 Module - 50 000 Dalton PES	2	NC -
147049	Vivaflow 50 Module - 100 000 Dalton PES	2	NC -
147050	Vivaflow 50 Module - 0,2 µm PES	2	NC -

Vivaflow 200 filtration system



200 cm² ready-to-use ultrafiltration unit with reusability.

- L x W x H: 126 x 138 x 38 mm
- Active surface of the membrane : 200 cm²
- Minimum recovery volume : < 20 ml
- Dead volume of the module : 5.3 ml
- Peristaltic pump flow rate : 200 to 400 ml/min
- Operating pressure : 1.5 to 4 bar
- Max. temperature : 60 °C

A single cassette can process samples from 500 ml to 2.5 litres. Two cassettes in parallel will concentrate up to 5 litres or more.

Material:

- membrane : PES or Hydrosart® (regenerated, modified cellulose) filter body and flow channels: acrylic
- Membrane support : polypropylene
- Sealing gasket : silicone
- pressure indicator: polypropylene
- spring: stainless steel / body: acetal / flow restrictor : polypropylene
- fittings: nylon
- tubes : PVC (medical grade)

Time (min) for 20-fold concentration at 3 bar inlet pressure and 20°C

BSA 1 mg/ml (66 000 MW)	Initial volume		Average flow rate		% yield	
	1 litre	250 ml	ml/mn	Direct	With rinsing 25 ml	
30 000 Dalton PES	25	20	38	96 %	99 %	
30 000 Dalton Hydrosart	20	20	48	96 %	> 99 %	
50 000 Dalton PES	22	20	43	96 %	98 %	

Cat. No.	Description	€ Excl. VAT
147028	Vivaflow 200 Module - 5 000 Dalton PES	NC -
147061	Vivaflow 200 Module - 5 000 Dalton Hydrosart®	NC -
147013	Vivaflow 200 Module - 10 000 Dalton PES	NC -
147062	Vivaflow 200 Module - 10 000 Dalton Hydrosart®	NC -
147063	Vivaflow 200 Module - 30 000 Dalton PES	NC -
147064	Vivaflow 200 Module - 30 000 Dalton Hydrosart®	NC -
147030	Vivaflow 200 Module - 50 000 Dalton PES	NC -
147065	Vivaflow 200 Module - 100 000 Dalton PES	NC -
147066	Vivaflow 200 Module - 0,2 µm PES	NC -

Vivaflow 200 kit and accessories

Cat. No.	Description	€ Excl. VAT
147067	Complete kit with peristaltic pump, "Easy load" pump head for size 16 tubing, tubing, sample tank / diafiltration	NC -
147052	Easy Load pump head size 16	NC -
147068	Easy Load pump head size 15	NC -
147053	500 ml sample / diafiltration tank	NC -
147057	Set of 6 flow reducers (2 x 0.4 mm, 0.6 mm, 0.8 mm)	NC -
147056	PVC hoses size 16 (3 metres, 3.2 x 1.6 mm)	NC -
147069	PVC hoses size 15 (3 metres, 4.8 x 2.6 mm)	NC -
147058	Female Luer fittings size 16 (10 pcs)	NC -
147070	Female Luer fittings size 15 (10 pcs)	NC -
147071	Y-connectors (2 size 15 outputs, 1 size 15 output)	NC -