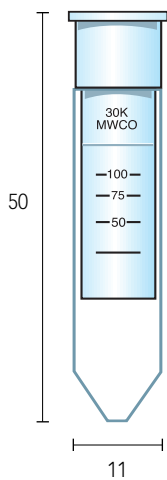


Vivaspin 500

100 µl to 600 µl samples

Vivaspin 500 µl centrifugal filter units offer a simple, one step procedure for sample preparation. They can effectively be used in either swing out or fixed angle rotors accepting 2.2 ml centrifuge tubes.

The patented vertical membrane design and thin channel filtration chamber (US 5,647,990), minimises membrane fouling and provides high speed concentrations, even with particle laden solutions.



Technical specifications	Vivaspin 500
Concentrator capacity	
Swing bucket rotor	600 µl
Fixed angle rotor	600 µl
Dimensions	
Total length	50 mm
Width	11 mm
Active membrane area	0.5 cm ²
Hold-up volume, membrane and support	< 5 µl
Dead stop volume	5 µl
Materials of construction	
Body	Polycarbonate
Filtrate vessel	Polypropylene
Concentrator cap	Polycarbonate
Membrane	Polyethersulfone

Vivaspin 500

Equipment required	Vivaspin 500
Centrifuge	
Rotor type	Fixed angle
Minimum rotor angle	40°
Rotor cavity	To fit 2.2 ml (11 mm) conical bottom tubes
Maximum speed	15,000 g
Concentrate recovery	
Pipette type	Fixed or variable volume
Recommended tip	Thin gel loader type



Typical performance	Time to concentrate 30x min. at 20°C and solute recovery %	
Rotor	Fixed angle	
Centrifugal force	12,000 g	
Start volume	500 µl	
	Min.	Rec.
Aprotinin 0.25mg/ml (6,500 MW)		
3,000 MWCO PES	30	96 %
BSA 1.0 mg/ml (66,000 MW)		
5,000 MWCO PES	15	96 %
10,000 MWCO PES	5	96 %
30,000 MWCO PES	5	95 %
IgG 0.25 mg/ml (160,000 MW)		
30,000 MWCO PES	10	96 %
50,000 MWCO PES	10	96 %
100,000 MWCO PES	10	96 %

Ordering information		
Vivaspin 500 Polyethersulfone	Pack size	Prod. no.
3,000 MWCO	25	VS0191
3,000 MWCO	100	VS0192
5,000 MWCO	25	VS0111
5,000 MWCO	100	VS0112
10,000 MWCO	25	VS0101
10,000 MWCO	100	VS0102
30,000 MWCO	25	VS0121
30,000 MWCO	100	VS0122
50,000 MWCO	25	VS0131
50,000 MWCO	100	VS0132
100,000 MWCO	25	VS0141
100,000 MWCO	100	VS0142
300,000 MWCO	25	VS0151
300,000 MWCO	100	VS0152
1,000,000 MWCO	25	VS0161
1,000,000 MWCO	100	VS0162
0.2 µm	25	VS0171
0.2 µm	100	VS0172
Starter pack (5 of each 5 k, 10 k, 30 k, 50 k, 100 k)	25	VS01S1