

Vivaspin 6

2-6 ml samples

The Vivaspin 6 centrifugal concentrators have been developed to offer increased volume flexibility and performance.

Vivaspin 6 can process 6ml in either swing bucket or fixed angle rotors accepting standard 15ml conical bottom test tubes.

High speed and high performance

The Vivaspin 6 feature twin vertical membranes for unparalleled filtration speeds and 100X plus concentrations.

Remaining volume is easy to read off the printed scale on the side of the concentrator and the modified dead stop pocket further simplifies direct pipette recovery of the final concentrate.



Performance Characteristics				
Mode	Centrifuge		Centrifuge	
Type	swing bucket		25° fixed angle	
Pressure/Speed	3,000 x g		7,500 x g	
Start Volume.	6 ml		6 ml	
	Min.	Rec.	Min.	Rec.
Cytochrome c 0.25 mg/ml (12,400 MW)				
3,000 MWCO PES	-	-	90	97%
BSA 1.0 mg/ml (66.000 MW)				
5,000 MWCO PES	20	98%	12	98%
10,000 MWCO PES	13	98%	10	98%
30,000 MWCO PES	12	98%	9	97%
IgG 0.25 mg/ml (160.000 MW)				
30,000 MWCO PES	18	96%	15	95%
50,000 MWCO PES	17	96%	14	95%
100,000 MWCO PES	15	91%	12	91%
Latex beads 0.004 % in DMEM +10 % FCS (0.055 µm)				
300,000 MWCO PES	-	-	25	99%
Latex beads 0.004 % in DMEM +10 % FCS (0.24µm)				
1,00,000 MWCO PES	-	-	4	99%
Yeast 1.0 mg / ml (S. Cerevisiae)				
0.2 µm Pes	4	97%	3	97%

Technical Specifications

Swing Bucket Rotor 6 ml

25° Fixed Angle Rotor 6 ml

Dimensions

Total Length 122 mm

Width 16 mm

Active Membrane Area 2.5 cm²

Carrier Required

Insert Diameter 17 mm

Conical Bottom Tube 15 ml

Maximum Centrifugal Force 10,000 x g

Maximum Pressure -

Hold up Volume Memb. <10 µl

Dead Stop Volume 30 µl

Materials of Construction

Body and Filtrate Vessel Polycarbonate

Concentrator Cap Polypropylene

Membranes Polyethersulfone

Ordering Information

Vivaspin 6 (2 - 6 ml samples) Polyethersulfone Membrane	Pack Size	Prod. No.	Pack Size	Prod. No.
3,000 MWCO	25	VS0691	100	VS0692
5,000 MWCO	25	VS0611	100	VS0612
10,000 MWCO	25	VS0601	100	VS0602
30,000 MWCO	25	VS0621	100	VS0622
50,000 MWCO	25	VS0631	100	VS0632
100,000 MWCO	25	VS0641	100	VS0642
300,000 MWCO	25	VS0651	100	VS0652
1,000,000 MWCO	25	VS0661	100	VS0662
0.2 µm	25	VS0671	100	VS0672

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Start pack	25	VS06S1
(5 of each 5K, 10K, 30K, 50K, 100K)		

Equipment Required

Centrifuge (Swing Bucket or Fixed Angel)

Rotor size (Based on conical bottom centrifuge tubes) 15 ml (17 mm)

Fixed Angle Rotor (Minimum Angle) 25°

Minimum Effectiv Speed 2,000 x g

Preferred Speed 3,000 - 7,500 x g