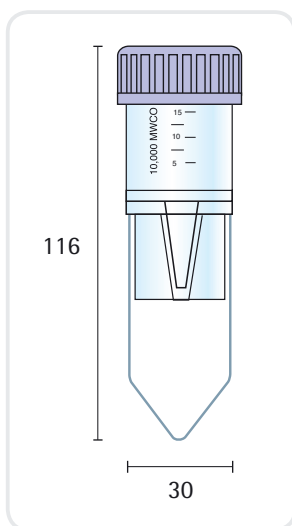


## Vivaspin® 15R



### 2–15 ml samples

Vivaspin® 15R is the latest member of the Vivaspin® product family with all the unique features of Sartorius Stedim Biotech concentrators including a patented vertical membrane and a dead stop. Vivaspin® 15R is targeting the volume segment 2 to 15 ml with a modified regenerated cellulose membrane; Hydrosart®. This membrane is ideal where extremely high recovery with very low adsorption is needed, for example in applications such as desalting and concentration of Ig fractions.

- Ultimate recovery at low adsorption (95–98%)
- Extremely short concentration time (30x in 15 min.)
- Convenient application protocol with easy handling
- Easy scale-up to Vivaflow 200 with Hydrosart® membrane for volumes up to 5 litres
- Very small hold up volume (< 20 µl)

### Technical specifications Vivaspin® 15R

Concentrator capacity	Swing bucket rotor	15 ml
	Fixed angle rotor	12.5 ml
Dimensions	Total length	116 mm
	Width	30 mm
	Active membrane area	3.9 cm <sup>2</sup>
	Hold-up volume of membrane	< 20 µl
	Dead stop volume	30 µl
Materials of construction	Body	Polycarbonate
	Filtrate vessel	Polypropylene
	Concentrator cap	Polycarbonate
	Membrane	Hydrosart

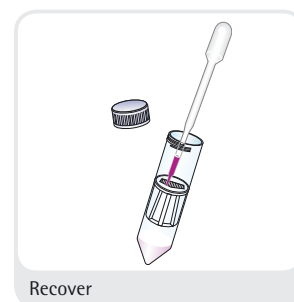
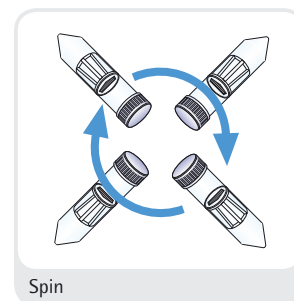
### Equipment required Vivaspin® 15R

<b>Centrifuge</b>		
Rotor type	Swing bucket	Fixed angle
Minimum rotor angle	–	25°
Rotor cavity	To fit 50 ml (30 mm) conical bottom tubes	To fit 50 ml (30 mm) conical bottom tubes
Maximum speed	3,000 g	6,000 g
<b>Concentrate recovery</b>		
Pipette type	Fixed or variable volume	Fixed or variable volume
Recommended tip	Thin gel loader type	Thin gel loader type

### Performance characteristics

	Time to concentrate up to 30x [min.] at 20°C and solute recovery %			
	Min.	Rec.	Min.	Rec.
Rotor	Swing bucket		25° Fixed angle	
Centrifugal force	3,000 g		6,000 g	
Start volume	15 ml		12.5 ml	
Aprotinin 0.1 mg/ml* (6,500 MW) 5,000 MWCO	47	95%	45	95%
Cytochrome c 0.25 mg/ml* (12,400 MW) 5,000 MWCO	45	96%	45	96%
10,000 MWCO	25	94%	18	94%
α-chymotrypsin 0.25 mg/ml* (25,000 MW) 5,000 MWCO	50	98%	45	98%
10,000 MWCO	25	98%	18	98%
Ovalbumin 1.0 mg/ml* (45,000 MW) 10,000 MWCO	20	98%	14	98%
30,000 MWCO	15	94%	12	94%
BSA 1.0 mg/ml* (66,000 MW) 30,000 MWCO	18	98%	15	98%
IgG 0.1 mg/ml*in DMEM (160,000 MW) 30,000 MWCO	30	98%	25	96%

\* proteins other than IgG made up in 50 mM potassium phosphate, 150 mM sodium chloride, pH 7.4



### Ordering information

Vivaspin® 15R Hydrosart	Pack size	Prod. no.
2,000 MWCO	12	VS15RH91
2,000 MWCO	48	VS15RH92
5,000 MWCO	12	VS15RH11
5,000 MWCO	48	VS15RH12
10,000 MWCO	12	VS15RH01
10,000 MWCO	48	VS15RH02
30,000 MWCO	12	VS15RH21
30,000 MWCO	48	VS15RH22



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The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

