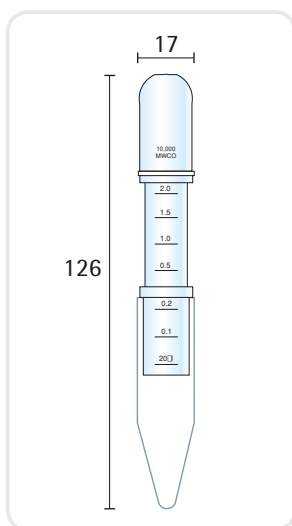


## Vivaspin® 2

### Choice of membranes



#### 0.4–2 ml samples

The Vivaspin® 2 bridges the gap between the 500 µl and 4 ml centrifugal concentrators. This device combines the speed of the classic Vivaspin® products with low internal surface and membrane area for superior recoveries from very dilute solutions.

Available with a choice of PES, Cellulose Triacetate and Hydrosart® membranes, Vivaspin® 2 offers the highest flexibility for process optimisation.

Also unique to the Vivaspin® 2, is the choice of directly pipetting the concentrate from the dead stop pocket built into the bottom of the concentrator, or alternatively reverse spinning into the concentrate recovery cap which can then be sealed for storage. Both methods result in near total concentrate recoveries.

#### Technical specifications Vivaspin® 2

Concentrator capacity	Swing bucket rotor	3 ml
	Fixed angle rotor	2 ml
Dimensions	Total length	126 mm
	Width	17 mm
	Active membrane area	1.2 cm <sup>2</sup>
	Hold-up volume of membrane	< 10 µl
	Dead stop volume	8 µl
Materials of construction	Body	Polycarbonate
	Filtrate vessel	Polycarbonate
	Concentrator cap	Polycarbonate
	Membrane	PES, CTA, HY

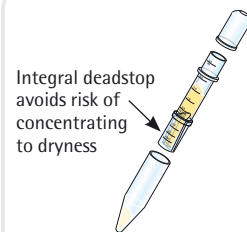
#### Equipment required Vivaspin® 2

<b>Centrifuge</b>		
Rotor type	Swing bucket	Fixed angle
Minimum rotor angle	–	25°
Rotor cavity	To fit 15 ml (17 mm) conical bottom tubes	To fit 15 ml (17 mm) conical bottom tubes
Maximum speed	4,000 g	12,000 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

\* Please note, devices with membrane MWCO >100 kDa need to be processed at lower g forces. See data sheets for details.

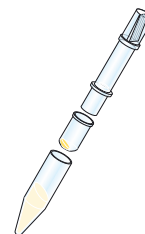
## Performance characteristics

	Time to concentrate up to 30x [min.] at 20°C and solute recovery %	
	Min.	Rec.
Rotor	Fixed angle	
Centrifugal force	5,000 g	
Start volume	2 ml	
Aprotinin 0.25 mg/ml (6,500 MW)		
3,000 MWCO PES	50	96%
BSA 1.0 mg/ml (66,000 MW)		
5,000 MWCO PES	12	98%
5,000 MWCO CTA	50	96%
5,000 MWCO Hydrosart	22	98%
10,000 MWCO PES	8	98%
10,000 MWCO CTA	10	96%
10,000 MWCO Hydrosart	12	98%
20,000 MWCO CTA	5	96%
30,000 MWCO PES	8	97%
30,000 MWCO Hydrosart	5	97%
IgG 0.25 mg/ml (160,000 MW)		
20,000 MWCO CTA	6	97%
30,000 MWCO PES	10	96%
50,000 MWCO PES	10	96%
100,000 MWCO PES	8	95%

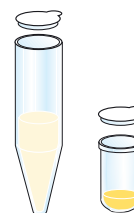


Integral deadstop  
avoids risk of  
concentrating  
to dryness

PES, CTA, or Hydrosart® mem-  
branes; Filtrate container fits  
standard 15 ml tube carriers



Direct pipette recovery or choice  
of reverse spinning concentrate  
into sample cap



Filtrate and concentrate can be  
sealed for storage

**Ordering information**

<b>Vivaspin® 2 Polyethersulfone</b>	<b>Pack size</b>	<b>Prod. no.</b>
3,000 MWCO	25	VS0291
3,000 MWCO	100	VS0292
5,000 MWCO	25	VS0211
5,000 MWCO	100	VS0212
10,000 MWCO	25	VS0201
10,000 MWCO	100	VS0202
30,000 MWCO	25	VS0221
30,000 MWCO	100	VS0222
50,000 MWCO	25	VS0231
50,000 MWCO	100	VS0232
100,000 MWCO	25	VS0241
100,000 MWCO	100	VS0242
300,000 MWCO	25	VS0251
300,000 MWCO	100	VS0252
1,000,000 MWCO	25	VS0261
1,000,000 MWCO	100	VS0262
0.2 µm	25	VS0271
0.2 µm	100	VS0272
Starter pack (5 of each 5 k, 10 k, 30 k, 50 k, 100 k)	25	VS02S1
<b>Vivaspin® 2 Cellulose triacetate</b>	<b>Pack size</b>	<b>Prod. no.</b>
5,000 MWCO	25	VS02U1
5,000 MWCO	100	VS02U2
10,000 MWCO	25	VS02V1
10,000 MWCO	100	VS02V2
20,000 MWCO	25	VS02X1
20,000 MWCO	100	VS02X2
<b>Vivaspin® 2 Hydrosart</b>	<b>Pack size</b>	<b>Prod. no.</b>
2,000 MWCO	25	VS02H91
2,000 MWCO	100	VS02H92
5,000 MWCO	25	VS02H11
5,000 MWCO	100	VS02H12
10,000 MWCO	25	VS02H01
10,000 MWCO	100	VS02H02
30,000 MWCO	25	VS02H21
30,000 MWCO	100	VS02H22

**Ordering Tips**

- Choose a membrane pore size at least 50% smaller than the size of the molecule to be retained.
- Usually choose Polyethersulfone membranes for fastest concentrations.
- Usually choose Cellulose Triacetate for Protein Removal | Ultrafiltrate recovery.
- Usually choose Hydrosart® membranes for highest recovery with Ig fractions.



**Wolflabs**

# Wolf Laboratories Limited

[www.wolflabs.co.uk](http://www.wolflabs.co.uk)

Tel: 01759 301142

Fax: 01759 301143

[sales@wolflabs.co.uk](mailto:sales@wolflabs.co.uk)



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**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

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.

