

VIVAPRODUCTS

Protein Purification and Separation Technologies

Your Source for Clinical & Forensic Concentrators

Call us at 800-456-4633

Vivacon 2

DNA concentration and rebuffing up to 2 ml



Feature

Benefit

Low binding membrane	High recoveries of low sample concentrations
Re-spin capability	Complete and highly reproducible sample recovery
Easy to remove re-spin cap	Convenient sample handling
Graduation printed on	Optimal process control

Technical Specifications

Concentrator Capacity

Fixed angle rotor	2 ml
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Vivacon centrifugal concentrators offer the optimal solution for DNA concentration and buffer exchange applications using Sartorius high recovery Hydrosart® membrane.

Vivacon 2 Applications

- DNA rebuffing of organic extraction samples before sequencing reaction.
- Dye removal after sequencing reaction
- Primer removal
- Plasmid concentration

Dimensions

Total length (Concentration)	125 mm
Total length (Back-spin)	115 mm
Width	16 mm
Active membrane area	0.95 cm ²
Hold-up volume membrane and support	10 µl
Dead stop volume (25° rotor)	55 µl

Materials of Construction

Body	Polycarbonate
Filtrate vessel	Polypropylene
Back-spin vial	Polypropylene
Concentrator cap	Polypropylene
Membrane	Hydrosart®



Performance Characteristics

Start volume 2ml, concentration 50 ng/ml

	Sample size (bp)	Time to concentrate up to 30 \times [min.] at 20°C	Concentrate recovery %	g-force (xg)
2,000 MWCO	10	120 min	92%	7,500
10,000 MWCO	30	60 min	94%	5,000
30,000 MWCO	50	60 min	95%	2,500
50,000 MWCO	300	45 min	96%	2,500
100,000 MWCO	600	15 min	93%	2,500

Conversion Table for Hydrosart MWCO to Nucleotide Cut-Off

Membrane	MWCO	Double-Stranded Nucleotide Cut-Off (bp)
Hydrosart	2kDa	>10
Hydrosart	10kDa	>30
Hydrosart	30kDa	>50
Hydrosart	50kDa	>300
Hydrosart	100kDa	>600

Ordering Information

Vivacon 2	Pack Size	Product Number
2,000 MWCO	25	VN02H91
2,000 MWCO	100	VN02H92
2,000 MWCO	500	VN02H93
10,000 MWCO	25	VN02H01
10,000 MWCO	100	VN02H02
10,000 MWCO	500	VN02H03
30,000 MWCO	25	VN02H21
30,000 MWCO	100	VN02H22
30,000 MWCO	500	VN02H23
50,000 MWCO	25	VN02H31
50,000 MWCO	100	VN02H32
50,000 MWCO	500	VN02H33
100,000 MWCO	25	VN02H41
100,000 MWCO	100	VN02H42
100,000 MWCO	500	VN02H43

Manufactured by:

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