

# VIVAPRODUCTS

Protein Purification and Separation Technologies

*Your Source for Clinical & Forensic Concentrators*

*Call us at 800-456-4633*

## Vivacon 2

DNA concentration and rebuffering 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 rebuffering 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 <sup>2</sup>
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	VNo2H91
2,000 MWCO	100	VNo2H92
2,000 MWCO	500	VNo2H93
10,000 MWCO	25	VNo2H01
10,000 MWCO	100	VNo2H02
10,000 MWCO	500	VNo2H03
30,000 MWCO	25	VNo2H21
30,000 MWCO	100	VNo2H22
30,000 MWCO	500	VNo2H23
50,000 MWCO	25	VNo2H31
50,000 MWCO	100	VNo2H32
50,000 MWCO	500	VNo2H33
100,000 MWCO	25	VNo2H41
100,000 MWCO	100	VNo2H42
100,000 MWCO	500	VNo2H43

*Manufactured by:*

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