



Vivacon 2

DNA concentration and rebuffering up to 2 ml

DNA Concentration



Vivacon centrifugal concentrators offer the optimal solution for DNA concentration and buffer exchange applications using their 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

Feature	Benefit
Low binding material	High recoveries of low sample concentrations
Re-spin possibility	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
-------------------	------

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 2 ml, sample concentration 50 ng/ml

	Sample size (bp)	Time to concentrate up to 30x [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	2 kDa	>10
Hydrosart	10 kDa	>30
Hydrosart	30 kDa	>50
Hydrosart	50 kDa	>300
Hydrosart	100 kDa	>600

Ordering Information

Vivacon 2	Pack size	Prod. No.
2,000 MWCO	25	VN02H91
2,000 MWCO	100	VN02H92
10,000 MWCO	25	VN02H01
10,000 MWCO	100	VN02H02
30,000 MWCO	25	VN02H21
30,000 MWCO	100	VN02H22
50,000 MWCO	25	VN02H31
50,000 MWCO	100	VN02H32
100,000 MWCO	25	VN02H41
100,000 MWCO	100	VN02H42

Sartorius Stedim Biotech GmbH
August-Spindler-Strasse 11
37079 Goettingen, Germany

Phone +49.551.308.0
Fax +49.551.308.3289
www.sartorius-stedim.com

USA Toll-Free +1.800.368.7178
UK +44.1372.737159
France +33.442.845600
Italy +39.055.63.40.41
Spain +34.91.3586102
Japan +81.3.3740.5407

Specifications subject to change
without notice. Printed and copyrighted
by Sartorius Stedim Biotech GmbH
W · G
Publication No.: SLL2001-e08061
Order No.: 85034-535-48