

IVD Vivaspin[®], Centrisart[®] 1 and Vivapore[®]

Compliant Ultrafiltration
Solutions for *In Vitro*
Diagnostic Sample
Preparation

Benefits

- CE certified according to EU 98/79/EC IVDD
- Easy-to-use centrifugal or solvent absorption devices
- No risk of sample cross-contamination
- Fast concentration with minimal membrane fouling
- High sample recoveries for increased sensitivity

Product Overview

To ensure regulatory compliance, only devices that have been registered with local or regional health authorities can be used for *in vitro* diagnostics (IVD) applications. To this end, Sartorius offers the perfect range of Vivaspin[®], Centrisart[®] 1 and Vivapore[®] devices, which are CE certified according to EU Directive 98/79/EC IVDD, and ideal for the concentration of multiple patient sample types.

Measurement of molecular disease markers in patient samples is important for the diagnosis and monitoring of a range of diseases and disorders. The broad choice of Sartorius IVD devices ensures fast and reliable concentration, with suitability for multiple patient sample types and volumes.



Product Information

Vivaspin® 6 and 20

Vivaspin® 6 and 20 combine twin vertical membranes and thin flow channel design for high process speeds and concentration factors. Printed graduations on the concentrator body provide a convenient indication of retentate volume and simple, direct recovery from the integral dead-stop pocket is possible with standard pipettes. Vivaspin® 20 also offers unique pressure and pressure-fuge operation for sensitive samples and even faster processing.

Vivaspin® Turbo 4 and 15

Vivaspin® Turbo 4 and 15 offer unparalleled processing speeds right down to the last few microliters, thanks to larger, twin vertical membranes and sleek internal profiles. UV joining technology and Sartorius' unique angular dead-stop picket allow easy, complete retrieval of the retentate sample.

Centrisart® 1

Centrisart® 1 features a unique design that enables ultrafiltration in the opposite direction to centrifugal force. This is so effective at preventing premature blockage of the membrane that it is ideal for deproteinization of challenging samples such as whole blood, serum, and lipids prior to detection of disease metabolites.

Vivapore® 5 and 10-20

Vivapore® 5 and 10-20 require no additional equipment, freeing up centrifuge capacity for other processes while providing the most economical choice in clinical labs. The low-shear solvent absorption process is ideal for concentration of sensitive disease markers and progress is easily monitored with printed volume graduations.

Typical Applications

- Concentration of patient samples prior to electrophoresis or immuno-electrophoresis
- Concentration of urine, cerebrospinal fluid, or plasma to detect disease markers such as Bence Jones Protein
- Deproteinization of blood samples to aid detection of disease metabolites

Technical Data

Product Family	Vivaspin®	Centrisart®	Vivapore®
Mode of operation	Centrifuge, pressure* or pressure-fuge*	Centrifuge	Solvent absorption
Equipment required	Centrifuge with swing out fixed angle rotor for 15 or 50 mL conical base tubes**		None
Active membrane area	2.5–7.2 cm ²	0.79 cm ²	20–28 cm ²
Dead-stop volume	30–100 µL	100 µL	50 µL
Hold-up volume	< 10–20 µL	< 5 µL	-
Sample capacity	4–20 mL	2.5 mL	5–20 mL***

For device-specific technical data, please refer to the relevant Instructions for Use.

* Vivaspin® 20 only, with optional accessories

** For Centrisart® 1, a rotor with buckets or inserts accepting 15 mL flat base tubes may also be used

*** 20 mL with optional sample reservoir

Ordering Information

Product	PES MWCO	Pack Size	Cat. No.
Vivaspin® 6	10 kDa	25	VS0601IVD
Vivaspin® 6	10 kDa	100	VS0602IVD
Vivaspin® 20	10 kDa	12	VS2001IVD
Vivaspin® 20	10 kDa	48	VS2002IVD
Vivaspin® Turbo 4	10 kDa	25	VS04T01IVD
Vivaspin® Turbo 4	10 kDa	100	VS04T02IVD
Vivaspin® Turbo 15	10 kDa	12	VS15T01IVD
Vivaspin® Turbo 15	10 kDa	48	VS15T02IVD
Centrisart® 1	100 kDa	12	13269-----E
Vivapore® 5	7.5 kDa	4	VPO503*
Vivapore® 5	7.5 kDa	30	VPO501*
Vivapore® 5	7.5 kDa	100	VPO502
Vivapore® 10–20	7.5 kDa	4	VP2003*
Vivapore® 10–20	7.5 kDa	30	VP2001*
Vivapore® 10–20	7.5 kDa	100	VP2002

Optional Accessories for Vivaspin® 20

Air pressure controller	1	VCA002
Charge valve for pressure head	1	VCA005
Vivaspin® 20 pressure head	1	VCA200

Optional Accessories for Vivapore®

Disposable stand for 4 units	6	VPA002
Plastic recovery pipettes for Vivapore® 5	100	VPA007
10 mL reservoir for Vivapore® 10–20	10	VPA006
Plastic recovery pipettes for Vivapore® 10–20	100	VPA005


* Includes disposable stand

Germany

Sartorius Lab Instruments GmbH & Co. KG
Otto-Brenner-Strasse 20
37079 Goettingen
Phone +49 551 308 0

USA

Sartorius Corporation
565 Johnson Avenue
Bohemia, NY 11716
Phone +1 631 254 4249
Toll-free +1 800 635 2906

 For additional information,
visit www.sartorius.com