Vivaspin protein concentrator spin columns

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- **Ease-of-use:** One-step sample concentration in a single tube, for minimal sample handling and reduced sample loss, as well as pH compatibility over a broad range – pH 1 to 9.
- **Sample protection:** Patented Vivaspin dead-stop technology ensures samples cannot be concentrated to dryness and enables direct concentrate recovery.
- **Ease-of-use:** One-step sample concentration in a single tube, for minimal sample handling and reduced sample loss.
- **High flow rates:** And minimal membrane blockage through the vertical polyethersulfone (PES) membrane design.
- **Minimal protein adsorption:** Thanks to the Vivaspin™ polycarbonate tube design.
- **Wide selection:** Vivaspin sample concentrators are suitable for sample volumes ranging from 100 µL to 20 mL, with a range of molecular weight cut-off (MWCO) values from Mr 3000 to 100 000.
- Download the Vivaspin protein concentrator data file to learn more and to determine the right MWCO (molecular weight cut-off) and volume for your enrichment study.

Spin column protein concentration – how does it work?

Membrane spin columns such as Vivaspin combine the principle of size exclusion with centrifugation to achieve rapid concentration and high recovery of target biomolecules in a single tube. An upper compartment containing sample is separated from the lower compartment by a semipermeable membrane with an appropriate MWCO value chosen to exclude molecules of interest. Centrifugation is applied to force solvent through the membrane, leaving a more concentrated sample in the upper chamber. The Vivaspin column design permits protocols for one-step biomolecule concentration, rapid sample recovery (reverse spin protocol), desalting, and buffer exchange.

Product Specifications

Parameter	Vivaspin 500 MWCO 10 000
Material (Membrane)	Polyethersulfone (PES)

Parameter	Vivaspin 500 MWCO 10 000
Material	Polycarbonate (PC)
Filtrate Vessel Material	Polycarbonate (PC)
Storage conditions	4 - 30°C
Dead-Stop Volume	5 µl
Hold-up Volume of Membrane	<5 µl
Wetted Part	No
Includes	Instructions supplied with the concentractors
Molecular Weight [MW] Cut-Off	10000
Volume	100-500 µl