

ULTRAFILTRATION: CEROCON™ 0.5ml CAPACITY CONCENTRATOR

Cerocon Ultrafiltration devices combine fast sample processing with high recovery to optimize results. The Cerocon centrifugal device is suitable for the concentration, separation and filtration of dissolved solutes from a solution of up to 0.5ml. The device is best suited for the concentration of sensitive downstream applications and can for example be used for the rapid concentration of proteins.

Cerocon comes ready to use in a 2ml micro-centrifuge tube with a self-lock lid. Once loaded with sample solution may be centrifuged to a maximum of 10,000g. The device has a concentration fixed dead-stop of 10µl to avoid sample drying, this is achieved in approximately 20 minutes.

Full recovery at the tube base can be achieved by inverting the inner device once the filtrate has been removed and pulsing in the centrifuge. Alternatively sample can be recovered without inverting the device by use of a pipette. If a larger volume is required for concentration the device can be refilled with another 0.5ml and centrifuged for another 20 minutes to achieve 100x.

The size of the compounds that pass through the membrane are determined by its Molecular Weight Cut Off (MWCO). The Swissci Cerocon comes with specially selected membranes with MWCOs of 3, 10, 30 and 100kDa.

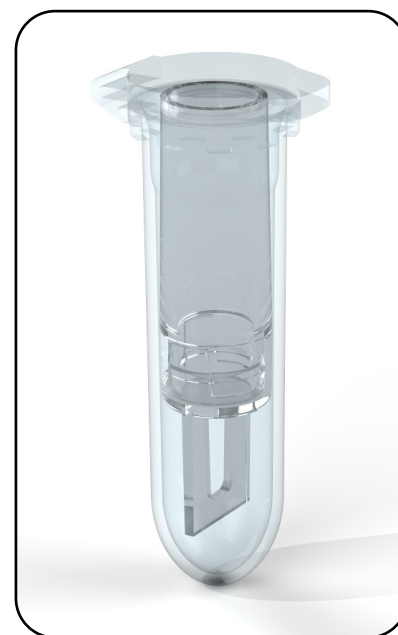


Applications:

- Concentration and purification of proteins and biological samples
- Concentration of samples for NMR spectroscopy and crystallisation
- Protein and DNA desalting/buffer exchange
- Nucleic Acid concentration
- Recovery of Genomic DNA
- Removal of contaminants

Performance Benefits:

- Ready to use, just add sample
- Ideal for small sample volumes up to 0.5ml
- No cross contamination, enclosed unit
- Highly hydrophilic membrane surface allows excellent product recovery even with low molecular weight proteins
- Reverse spin recovery; inverted design allows very high protein recovery rates
- Ultra low binding membrane allows rapid proportionate concentration of proteins
- Concentration of 0.5ml to 0.01ml in one step
- Convenient storage for filtrate or concentrate
- Reliable and highly reproducible
- Single use - disposable device; no cleaning required
- Fixed dead-stop prevents the drying out of sample



Ordering information:

Product	MWCO	Pack Size	Code
Cerocon 0.5ml Capacity Concentrator	3kDa	40	V31003
	10kDa	40	V31010
	30kDa	40	V31030
	100kDa	40	V31100

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