

ULTRAFILTRATION: CONVERSE™ CONCENTRATION DEVICES

Ultrafiltration is the separation process of macromolecular species and solvents based on their size. Converse devices are a particularly favourable methodology due to their flexibility and efficiency as well as the very gentle treatment of the sample solution compared to other orientations. It is a key process in Proteomics as a useful method to purify and concentrate protein solutions.

The Swissci Converse L and S range have been carefully designed to maximise the benefits of ultrafiltration with centrifugation and are well suited for particle laden solutions. The reverse direction of flow compared to standard ultrafiltration combined with the high pressure exerted during centrifugation leads to rapid processing times and excellent sample recovery.

The sample is held in the chamber on the upper side of the Ultrafilter and during centrifugation low molecular weights are forced through the membrane into a filtrate container on the inner side of the device configuration. The size that passes through the membrane is determined by its Molecular Weight Cut Off (MWCO). Swissci Converse S and L both come with specially selected membranes with MWCOs of 3, 10, 30 or 100kDa, others are available upon request. The Swissci Converse L is ideal for larger sample solutions of up to 20ml and the Converse S is suitable for smaller sample solutions of up to 6ml.

Applications:

- Concentration and purification of proteins and biological samples
- High solute concentration solutions
- Protein and DNA desalting/buffer exchange
- Nucleic Acid concentration
- Recovery of Genomic DNA
- Removal of contaminants

Performance Features & Benefits:

- Ready to use, just add sample
- Ideal for both large and small sample volumes
- No cross contamination, enclosed unit
- Specially selected low absorption membranes in inverted design for optimum recovery
- Novel recovery spin option with very high protein recovery rates
- Ultrafiltration reversed preventing any membrane blockage even with particle laden samples
- Converse orientation results in very rapid filtration
- Single use - disposable device; no cleaning required
- Large dead stop, stable construction

Ordering information:

Product	MWCO	Pack Size	Code
Converse L 20ml Concentrator	3kDa	20	V41003
	10kDa	20	V41010
	30kDa	20	V41030
	100kDa	20	V41100
Converse S 6ml Concentrator	3kDa	20	V51003
	10kDa	20	V51010
	30kDa	20	V51030
	100kDa	20	V51100

