



Centrisart 1

Centrifugal Concentrators for IVD

0.1 – 2.5 mL samples

Centrisart 1 is a ready to use device for small volume centrifugal ultrafiltration to separate proteins from low molecular weight substances in biological samples.

Centrisart 1 features a unique design, enabling ultrafiltration to occur in the opposite direction to centrifugal force. This is so effective in preventing premature fouling of the membrane that even whole blood samples can be de-proteinized.

The ultrafiltrate is collected in the floating insert tube where it is readily accessible without any disassembly.



User Benefits

- CE certified devices
- No risk of cross contamination
- No premature membrane blocking
- Convenient recovery

Applications

Centrisart 1 devices with 100 kDa MWCO PES membranes were developed to aid the diagnosis of neonatal septicemia. In addition, these devices can be used for drug binding studies, isolation of metabolites from serum, and removal of proteins from blood samples prior to *in vitro* diagnostics.

Technical Specifications

Concentrator Capacity	
Swing bucket rotor	2.5mL
Fixed angle rotor	2.5 mL
Dimensions	
Dimensions (L Ø)	93 14 mm
Active membrane area	0.79cm ²
Hold-up volume, membrane	< 5µL
Dead-stop volume	100 µL
Materials of Construction	
Centrifuge tube	Polystyrene
Floating filtrate tube	Cellulose propionate
Concentrator cap	Polyethylene
Membrane	Polyethersulfone

Equipment Required

Centrifuge		
Rotor type	Swing bucket	Fixed angle
Min. rotor angle	-	25°
Rotor cavity	To fit 15 mL (17 mm) conical flat bottom tubes	
Maximum speed	2,500 g	2,000 g

Performance Characteristics

	Time to filter 50% of sample volume	Time to filter 90% of sample volume	Passage of sample species
IgG, 0.25 mg/mL (160 kDa)	13 min.	35 min.	3%

Ordering Information

Centrisart 1	Pack size	Order No.
100 kDa MWCO PES	12	13269-E