Polyethersulfone Membrane Centrifugal Filter Type CFPL

mdi Centrifugal Filters are meant for high value laboratory applications like sterilization, purification, particulate removal and clarification of proteinaceous solutions. Polyethersulfone membrane exhibits very low protein binding and ensures maximum recovery of the sample.

These are small sized filtration devices made of pigment-free polypropylene outer tube with snap-fit top cap. A smaller pigment-free polypropylene tube with thermally sealed Polyethersulfone membrane filters (PES) is placed inside the outer tube. The fluid to be filtered is put inside the smaller housing for filtration.

The filter is designed for use with centrifuge machine where centrifugal force applied by the machine effects filtration.

Material of Construction

Tubes (Outer and Inner)	: Polypropylene
Filter	: Hydrophilic Polyethersulfone Membrane

Special Features

- Absolute Retention
- Ready to use: Very low hold up volume
- Very low protein binding
- Fast sample preparation
- Maximum sample recovery
- Biologically inert material of construction
- Ease of handling
- Parallel filtration of more than one samples

Application

- Sterilization of high value, difficult to filter protein samples.
- Particulate removal.
- Sample preparation for Amino Acid Analyzers.

Specifications

Membrane
Polyethersulfone

Pore Size
0.2µm

Effective Filtration Area
0.28cm²

Outer Tube Length
42.8mm

Inner Tube Length
21.5mm

Maximum Sample Volume
750µl

Receiver Volume
750µl

Hold-up Volume
< 5µl

Operating Temperature Range
80°C

pH Range
2 -14

Maximum Centrifugal Force at 10,000 rpm
5600 x g

Datasheet DST CFPLXXX1617D

Ordering Information:

Type		Size		Pore Size		XX	XX	Sterility		Pack Size	
	Code		Code		Code				Code		Code
CFPL	CFPL	7 mm	21	0.2 µm	01			Non Sterile	1	50	03
				0.45 µm	02			EO Sterile	2		

EXAMPLE : CFPL 21 01 XX XX 1 03