

## Pre-filtration and Redundant Filter Series

# Corevital® PND

## Hydrophilic Sterile-Grade Filter with Low Protein Binding



### Features

- Composed of double-layer Polyestersulfone media
- Efficient bacteria and particulate retention
- Low extractables and protein binding

### Applications

- Sterilize filtration of cell culture medium
- Buffer filtration

### Operating Conditions

Max. Temperature	80°C
Max. Differential Pressure	0.55 MPa / 25°C
	0.1 MPa / 80°C

### Biological Safety

Endotoxins	<0.25 EU/ml
Bio-compatibility	Meet the requirement of USP<87> In Vitro Cytotoxicity Test; Meet the criteria of the USP<88> Biological Reactivity Test for Class VI-121°C plastics

### Materials of Construction

Filter Type	Bricap® C/L/T	Cartridge
Membrane	Hydrophilic Polyethersulfone (PES)	
Core/Cage/End Cap	Polypropylene (PP)	Polypropylene (PP)
Capsule Shell	Polypropylene (PP)	—
O-ring	—	Silicone/EPDM/Viton/PTFE
Capsule Vent O-ring	Silicone	—
Removal Ratings	0.8+0.45 µm	

### Effective Filtration Area

BriScale® A25/A50	Bricap® C/D	Bricap® L	Bricap® T	Cartridge
A25: 3.4cm <sup>2</sup>	C01 : 180cm <sup>2</sup>	L03 : 0.16m <sup>2</sup>	T10 : 0.55m <sup>2</sup>	5"
A50: 20cm <sup>2</sup>	C02 : 420cm <sup>2</sup>	L05 : 0.28m <sup>2</sup>	T20 : 1.1m <sup>2</sup>	10"
	C03 : 660cm <sup>2</sup>	L10 : 0.55m <sup>2</sup>	T30 : 1.65m <sup>2</sup>	20"
	D01 : 350cm <sup>2</sup>	L20 : 1.1m <sup>2</sup>		30"
		L30 : 1.65m <sup>2</sup>		40"

### Sterilization Capability

- BriScale® Disc, Bricap® C, Bricap® L, Bricap® T: Autoclave (126°C, 60min, 3 times), Gamma irradiation or Pre-sterilization
- Bricap® D: Autoclave
- Filter Cartridges: SIP & Autoclave