

Vacuum Filter Unit

All component materials of cell culture consumables developed by Lepure Biotech met the requirements of the USP <88> Class VI. Features fast flow rates, low rates of clogging. It is suitable for bulk filtration of culture media, biological fluid and other solutions. The samples can be sterile filtered in receiver bottle. The vacuum filtration device includes vacuum filter cup and receiver bottle.



Typical Application

Ideal for filtering bulk aqueous solutions

- Culture media and other laboratory fluid
- Filtering and store cell culture

Features

- Component materials comply with USP <88> Class VI
- Vacuum filter cup with GL45 thread, suitable for most glass and plastic bottle
- Provide a variety of specifications to meet the different experimental needs of customers
- Individual package, vacuum and aseptic. Each product has a batch number for traceability
- Transparency, clear scale mark, easy to observe capacity

Technical Parameters

Product Specification

Membrane Material	PES Express(快流速)、MCE、Nylon、PVDF、CA、PES、SFCA
Pore size	0.10μm、0.22μm、0.45μm
Filter Cup Capacity	150mL、250mL、500mL、1000mL
Receiver bottle Capacity	150mL、250mL、500mL、1000mL
Membrane Diameter (mm) and Hold Up Volume (mL)	50mm、75mm、91mm; ≤3mL
Maximum Operating Temperature	45°C

Biocompatibility

Testing standard	Testing items	Testing results
GB/T 14233.2-2005	Sensitization Test	PASS
GB/T 14233.2-2005	Hemolysis Test	PASS
USP <87>	In vitro cytotoxicity Test	PASS
USP -NF	TSE/BSE free	PASS

Physicochemical Property

Testing standard	Testing items	Testing results
GB/T 14233.1-2008	Reducing substance	PASS
GB/T 14233.1-2008	Content of Heavy Metal in Materials	PASS
GB/T 14233.1-2008	PH Valve	PASS
GB/T 14233.1-2008	Chloride	PASS
GB/T 14233.1-2008	Residue of Burning	PASS



Ordering information

Vacuum Filter Unit

Membrane Material	Pore size(μm)	Capacity(mL)	Membrane Diameter (mm)	Cat. No.
聚醚砜 (PES)	0.22	150	$\Phi 50$	LFPE220150
		250	$\Phi 50$	LFPE220250
		500	$\Phi 75$	LFPE220500
		1000	$\Phi 91$	LFPE221000
	0.45	150	$\Phi 50$	LFPE450150
		250	$\Phi 50$	LFPE450250
		500	$\Phi 75$	LFPE450500
		1000	$\Phi 91$	LFPE451000

Receiver bottle

Material	Capacity(mL)	Membrane Diameter(mm)	Cat. No.
聚苯乙烯 (GPPS)	150	$\Phi 50$	LFPE220150-1
	250	$\Phi 50$	LFPE220250-1
	500	$\Phi 75$	LFPE220500-1
	1000	$\Phi 91$	LFPE221000-1
	150	$\Phi 50$	LFPE450150-1
	250	$\Phi 50$	LFPE450250-1
	500	$\Phi 75$	LFPE450500-1
	1000	$\Phi 91$	LFPE451000-1

Vacuum Filter Unit (Set)

Cat.No.	Name	Packing/box	Product description
LFPE220500E	Single-use Vacuum Filter Unit 500mL	12sets	PES Membrane, pore size0.22 μm , include filter cup 500mL and received bottle 500mL
LFPE221000E	Single-use Vacuum Filter Unit 1000mL	12sets	PES Membrane, pore size0.22 μm , include filter cup 500mL and received bottle 1000mL

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