



Ultrafiltration Membrane Discs For all standard stirred cells

Protein Ark's ultrafiltration membranes are a series of anisotropic membranes specially selected following research into the performances of existing membrane discs in the market. The membrane has been proprietary-treated to ensure low non-specific protein binding at higher speed.

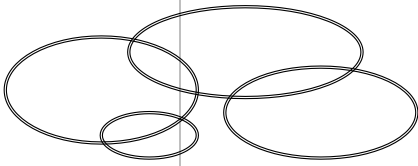
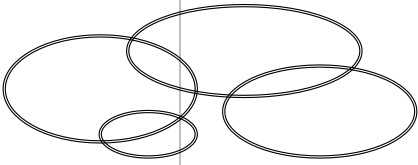
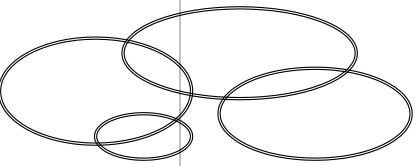
The membrane discs are available in a complete range of diameters for stirred cells and for other filtration products which require ultrafiltration membranes.

The hydrophilic regenerated cellulose membrane discs offer superior chemical resistance and are preferred for highest protein recovery when handling dilute protein solutions. The polyethersulphone membrane discs have a more open structure which provides fast separation flux. Use the polyethersulphone membranes for fast protein separation over a broad pH range.

Specification:

Membrane material:	Proprietary-treated polyethersulphone (PES) and Regenerated cellulose (RC)
MWCOs (molecular weight cut-offs):	5 kDa, 10 kDa, 30 kDa, 50 kDa, 100 kDa (PES) 10 kDa, 30 kDa (RC)
Filter disc diameter (mm):	25 mm, 44.5 mm, 62 mm, 76 mm, 90 mm
Maximum operating pressure:	75 psi (5 bar)
Maximum operating temperature:	60 °C
Working pH range:	pH 1-14 (PES) pH 3-12 (RC)
Storage:	Store at room temperature
Membrane wetting agent:	Shipped dry in glycerine and sodium azide
Storage after use:	Store in 10 % ethanol made up in distilled water or 0.1 % sodium azide at +4 °C
Sterilization:	Sterilize using 70 % ethanol or a mixture of 0.5 % formalin and 25 % ethanol or 5 % formalin.
Cleaning membrane discs:	Rinse the PES or RC membrane in 0.1 M NaOH, 100 ppm NaOCl followed by washing with copious amounts of distilled water. For strongly bound proteins, soak the membrane in 0.1 % protease solution and then wash the membrane thoroughly with distilled water.
Quantity of discs per pack:	10

Ordering Information:

Filter diameter (mm)	LIST PRICES FOR STIRRED CELLS			
	RC*	PRICE (excl. VAT)	PES**	PRICE (excl. VAT)
5,000 MWCO				
25 mm (10 discs)			PES-25-05	£55.00
44.5 mm (10 discs)			PES-44-05	£70.00
62 mm (10 discs)			PES-62-05	£80.00
76 mm (10 discs)			PES-76-05	£94.00
90 mm (10 discs)			PES-90-05	£99.00
10,000 MWCO				
25 mm (10 discs)	RC-25-10	£60.00	PES-25-10	£55.00
44.5 mm (10 discs)	RC-44-10	£75.00	PES-44-10	£70.00
62 mm (10 discs)	RC-62-10	£90.00	PES-62-10	£80.00
76 mm (10 discs)	RC-76-10	£102.00	PES-76-10	£94.00
90 mm (10 discs)	RC-90-10	£110.00	PES-90-10	£99.00
30,000 MWCO				
25 mm (10 discs)	RC-25-30	£60.00	PES-25-30	£55.00
44.5 mm (10 discs)	RC-44-30	£75.00	PES-44-30	£70.00
62 mm (10 discs)	RC-62-30	£90.00	PES-62-30	£80.00
76 mm (10 discs)	RC-76-30	£102.00	PES-76-30	£94.00
90 mm (10 discs)	RC-90-30	£110.00	PES-90-30	£99.00
50,000 MWCO				
25 mm (10 discs)			PES-25-50	£55.00
44.5 mm (10 discs)			PES-44-50	£70.00
62 mm (10 discs)			PES-62-50	£80.00
76 mm (10 discs)			PES-76-50	£94.00
90 mm (10 discs)			PES-90-50	£99.00
100,000 MWCO				
25 mm (10 discs)			PES-25-100	£55.00
44.5 mm (10 discs)			PES-44-100	£70.00
62 mm (10 discs)			PES-62-100	£80.00
76 mm (10 discs)			PES-76-100	£94.00
90 mm (10 discs)			PES-90-100	£99.00

* RC: Regenerated Cellulose ** PES: Polyethersulphone

Please visit www.proteinark.com for further information or contact us via:

Telephone: +44 (0) 33 33 44 20 25
 FAX: +44 (0) 33 33 44 20 25
 Email: info@proteinark.com