

PLASMART

 Versatile-PES® PLASMAFILTERS

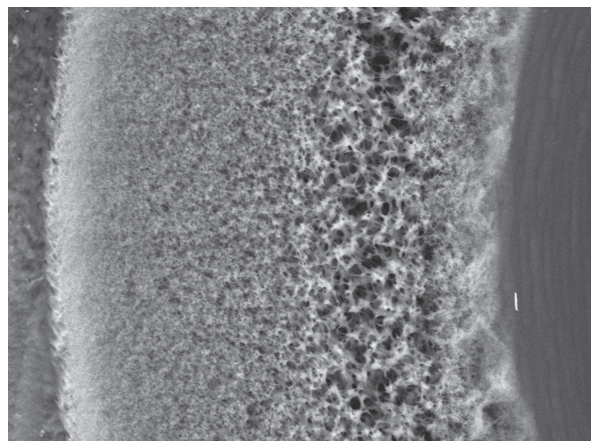


MEMBRANE SPECIFICATIONS AND DATA

Versatile-PES® is MEDICA's hollow fiber membrane specially developed for plasma separation. It is made of polyethersulfone and is used for plasmapheresis and blood donation. The asymmetric structure of Versatile®-PES offers excellent filtration performances.

Versatile-PES® membrane has been designed to obtain:

- an **optimized diameter and wall thickness** to ensure a remarkable fiber mechanical resistance and the highest filtering surface in the minimum space;
- very **smooth internal membrane surface**, ensures **less damage to red blood cells** in the blood stream and minimizes hemolysis risk.
- high **separation performances**, in term of plasma proteins crossing the membrane (over 90%);
- an optimized **membrane cut-off**, resulting in the possibility to use a significant TMP value.



Versatile-PES® is a registered trade mark of MEDICA S.p.A.

	Plasmart 25	Plasmart 50	Plasmart 100	Plasmart 200	Plasmart 400	Plasmart 600	Plasmart 700	Plasmart 1000
	Versatile-PES® (polyethersulfone)							
Intended use	pediatric				adult			
Membrane area (m²)	0.01	0.05	0.10	0.20	0.40	0.60	0.70	1.0
Fiber internal diameter (µm)	300							
Fiber external diameter (µm)	470							
Fiber wall thickness (µm)	85							
Fiber length (mm)	60	127	140			225		280
Filter housing internal diameter (mm)	11	14	24		39			43
Internal fiber volume (ml)	1.2	3.9	8.6	13.2	30.5	48.5	56.6	78.3
Port volume (ml)	0.5		2.4		5.6			10.0
Priming blood volume (ml)	1.7	4.4	11	15.6	36.1	54.1	62.2	88.3
Max. TMP (mmHg) *	100							
Max. blood flow (ml/min)	20	50	80	100	160	240	280	390
Plasma flow	10-30 % of blood flow							
Potting compound	polyutherane							
Cartridge housing material	copolyester BPA FREE or polycarbonate							
Cartridge blood port material								
Cartridge blood connectors	LLF	LLM	Twist Lock					
Cartridge filtrate/dialysate connectors	LLF - Female luer lock							Hansen
Unit length (mm)	90	155	180			265		
Sterilization method	ETO or beta rays							
Product code ETO	M90291	M03863	M03864	M03865	M03866	M03867	M90018	M03868
UDI-DI code	8056992332829	8033772327015	8033772327022	8033772327039	8033772327046	8033772327053	8033772327084	8033772327060
Q.ty/box	30	10	10	10	6	6	6	6
Product code beta rays	NA	M03857	M03858	M03859	M03860	M03861	M90017	M03862
UDI-DI code		8033772325479	8033772325486	8033772325493	8033772325509	8033772325516	8033772327077	8033772325523
Q.ty/box		120	80	80	48	48	48	12

Technical features are subject to change without prior notice.

BRO-PLS-VERSATILE-ENG REV01 - CDP150725A

* Tested with human blood (Hct 32 ± 3%; TP 60 ± 5 gr/L).

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