

HOLLOW FIBER HEMODIALYZER



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PES is more simple and it has better stable physical and chemical properties than PS.

ADVANTAGE

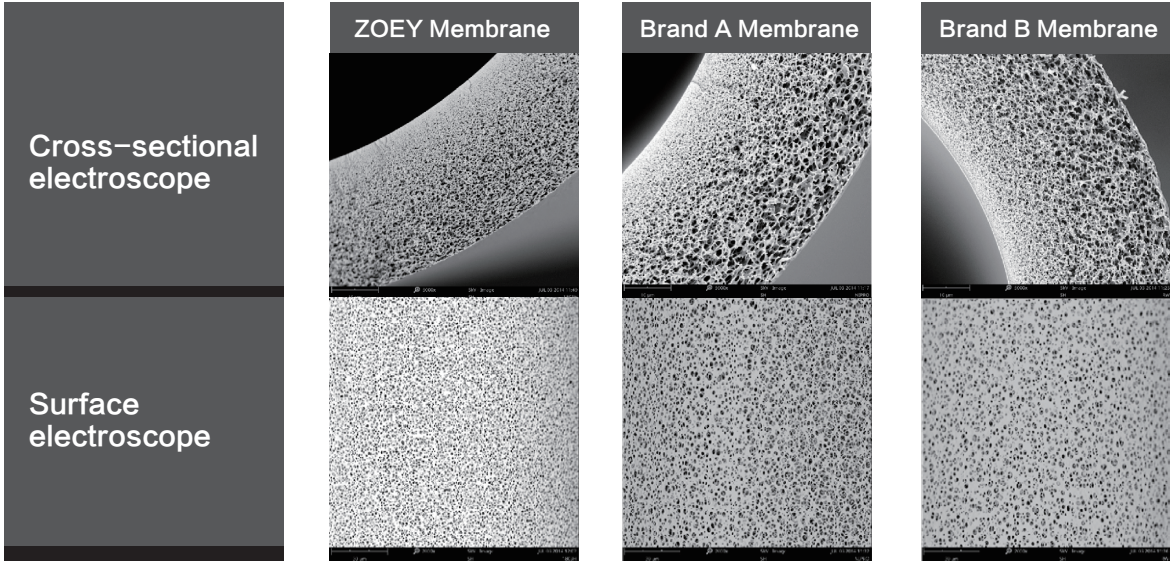
PES is more simple and it has better stable physical and chemical properties than PS.

- ✓ PP shell, PES membrane,BPA free
- ✓ Better bio-compatibility
- ✓ Excellent toxin clearance
- ✓ Optimized product design
- ✓ Smaller blood volume



CONTRAST

The section microstructure shows that ZOEY’s hollow fiber membrane has the tightest dense layer, the smallest aperture change, and more uniform surface distribution compared with other 2 types membranes.



PRODUCT PARAMETERS

Product specification		14L	16L	18L	20L	22L	24L
A (Effective surface area)	m²	1.4	1.6	1.8	2.0	2.2	2.4
V (blood priming volume)	mL	78	91	101	110	121	134
UF-coefficient	mL/h/mmHg	21	24	27	30	33	36
TMP max		500 mmHg					
Max. dialysate flow		800 mL/min					
△P (pressure drop blood)		≤13KPa (QB=300 mL/min)					
Clearance rate Q _B =200mL/min Q _D =500mL/min Q _F =10mL/min	Urea	182	189	193	197	200	200
	Creatinine	170	180	187	193	198	200
	Phosphate	170	174	181	193	196	199
	Vitamin B ₁₂	110	119	130	145	161	173
Clearance rate Q _B =300mL/min Q _D =500mL/min Q _F =10mL/min	Urea	245	251	259	266	274	286
	Creatinine	234	238	246	253	260	267
	Phosphate	217	224	239	251	256	265
	Vitamin B ₁₂	134	140	154	167	178	188
Clearance rate Q _B =400mL/min Q _D =500mL/min Q _F =10mL/min	Urea	283	292	302	313	325	338
	Creatinine	260	269	285	294	303	312
	Phosphate	252	259	269	281	291	301
	Vitamin B ₁₂	147	159	170	184	196	207
Membrane		PES hollow fiber membrane					
Sterilization method		Radiation sterilization					

In vitro testing; According to EN1283, ISO 8637 and YY0053; The above data represent in vitro test performance only, and may vary depending on the patient's blood composition and clinical setting for in vivo use.

Product specification		14H	16H	18H	20H	22H	24H
A (Effective surface area)	m²	1.4	1.6	1.8	2.0	2.2	2.4
V (blood priming volume)	mL	78	91	101	110	121	134
UF-coefficient	mL/h/mmHg	44	50	56	63	69	75
TMP max		500 mmHg					
Max. dialysate flow		800 mL/min					
△P (pressure drop blood)		≤13KPa (QB=300 mL/min)					
Clearance rate Q _B =200mL/min Q _D =500mL/min Q _F =10mL/min	Urea	181	192	197	199	200	200
	Creatinine	174	180	190	197	199	200
	Phosphate	164	175	189	194	198	200
	Vitamin B ₁₂	102	116	125	137	150	164
	β 2-MG β 2	48	53	59	65	72	80
	Inulin	113	118	125	136	145	160
Clearance rate Q _B =300mL/min Q _D =500mL/min Q _F =10mL/min	Urea	241	254	275	287	294	297
	Creatinine	229	239	262	276	287	295
	Phosphate	208	221	242	253	261	272
	Vitamin B ₁₂	130	144	153	168	181	196
	β 2-MG β 2	/	/	/	/	/	/
	Inulin	120	132	140	158	165	173
Clearance rate Q _B =400mL/min Q _D =500mL/min Q _F =10mL/min	Urea	283	296	322	340	352	365
	Creatinine	262	275	305	331	343	358
	Phosphate	249	261	279	288	300	312
	Vitamin B ₁₂	155	167	178	191	207	222
	β 2-MG β 2	/	/	/	/	/	/
	Inulin	129	142	155	167	179	188
S.C.	Inulin	0.9±10%					
	β 2-MG β 2	≥0.7					
	myohemoglobin	≥0.55					
	albumin	≤0.01					
Membrane		PES hollow fiber membrane					
Sterilization method		Radiation sterilization					

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