

2026

Nephro  Filter™



POLYETHERSULFONE DIALYZER

 **NephroCan**

www.NephroCan.com



CANADIAN LEADER IN HEMODIALYSIS



As a trusted Canadian provider, we are committed to delivering high-quality hemodialysis consumables, machinery, and equipment worldwide. Our goal is to ensure that our offerings are accessible and enhance patient care. We are dedicated to pioneering innovative therapies that revolutionize renal therapy, improving outcomes and enhancing the quality of life for patients globally.

HIGH FLUX POLYETHERSULFONE HEMODIALYZER FILTERS

Polyethersulfone High Flux Hollow Fiber Hemodialyzer Specifications*							
Sterilized with Gamma Irradiation (R)							
	Blood Flow Rate (mL/min)	**NephroPES 100R	NephroPES 130R	NephroPES 160R	NephroPES 180R	NephroPES 200R	
Clearances (mL/min)	Urea	QB= 200	189	197	196	198	199
		QB= 300	253	270	285	288	291
	Creatinine	QB= 200	185	192	193	197	197
		QB= 300	244	255	269	279	286
	Phosphate	QB= 200	175	181	189	194	196
		QB= 300	211	236	254	262	279
	Vitamin B ₁₂	QB= 200	117	147	160	165	172
		QB= 300	137	168	186	194	211
	Inulin	QB= 200	89	107	120	127	132
		QB= 300	105	116	134	144	154
Surface Area (m ²)		1.0	1.3	1.6	1.8	2.0	
Blood Priming Volume (mL)		59	72	89	110	114	
Ultrafiltration Coefficient (mL/mmHg.Hr)		44.3	58.3	67.0	84.2	87.5	
KoA (mL/min)		861	1140	1610	1770	1980	
Membrane							
Membrane Material		Synthetic Polyethersulfone					
Wall Thickness (μm)		30 ± 5					
Inner Diameter (μm)		200 ± 15					
Maximum TMP (mmHg)		500					
Sieving Coefficient***							
β2-Microglobulin		> 0.5					
Albumin		< 0.002					

QB: Blood flow rate

QF: Ultrafiltration rate

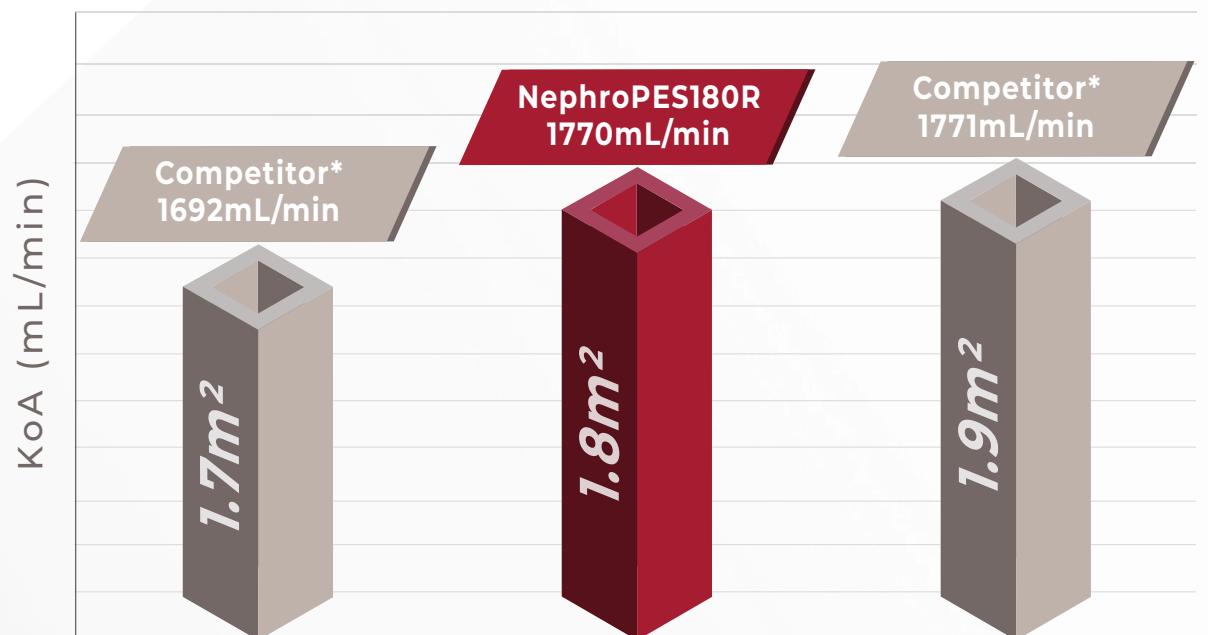
QD: Dialysate flow rate

*Specifications and performance data at QB = 200/300mL/min, QD = 500mL/min, QF = 0mL/min, T: 37 °C. Performance data was measured in vitro as according to standards BS EN ISO 8637-1:2020. Clearance data may vary depending on testing conditions

**In progress

***Sieving coefficient is an absolute value that is related to the hollow membrane fiber

REMOVAL OF UREMIC TOXINS IN HIGH FLUX DIALYZERS



Dialyzer Sizes, High Flux, Gamma Sterilization

Specifications and performance based on NephroCan's PES 1.8m² Polyethersulfone membranes.

QB = 300mL/min, QD = 500mL/min, QF = 0mL/min

*Specifications and performance based on public data available on competing hemodialyzers with Polyethersulfone membranes.

QB = 300mL/min, QD = 500mL/min, QF = 10mL/min

NEPHROFILTER CHARACTERISTICS



LOW FLUX POLYETHERSULFONE HEMODIALYZER FILTERS

Polyethersulfone Low Flux Hollow Fiber Hemodialyzer Specifications*						
Sterilized with Gamma Irradiation (R)						
	Blood Flow Rate (mL/min)	Nephro PES10R	Nephro PEST3R	Nephro PES16R	Nephro PES18R	Nephro PES20R
Clearances (mL/min)	Urea QB= 200	174	185	190	197	198
	QB= 300	220	237	251	277	283
	Creatinine QB= 200	158	172	180	184	190
	QB= 300	190	212	230	258	267
	Phosphate QB= 200	137	152	161	171	178
	QB= 300	157	180	192	212	228
	Vitamin B ₁₂ QB= 200	98	117	126	134	141
	QB= 300	107	131	141	152	159
	Inulin QB= 200	-	-	-	-	-
	QB= 300	-	-	-	-	-
Surface Area (m ²)		1.0	1.3	1.6	1.8	2.0
Blood Priming Volume (mL)		59	71	90	112	114
Ultrafiltration Coefficient (mL/mmHg.hr)		8.8	10.9	12.7	17.9	20.7
KoA (mL/min)		556	689	836	1320	1530
Membrane						
Membrane Material	Synthetic Polyethersulfone					
Wall Thickness (μm)	35 ± 5					
Inner Diameter (μm)	200 ± 15					
Maximum TMP (mmHg)	500					

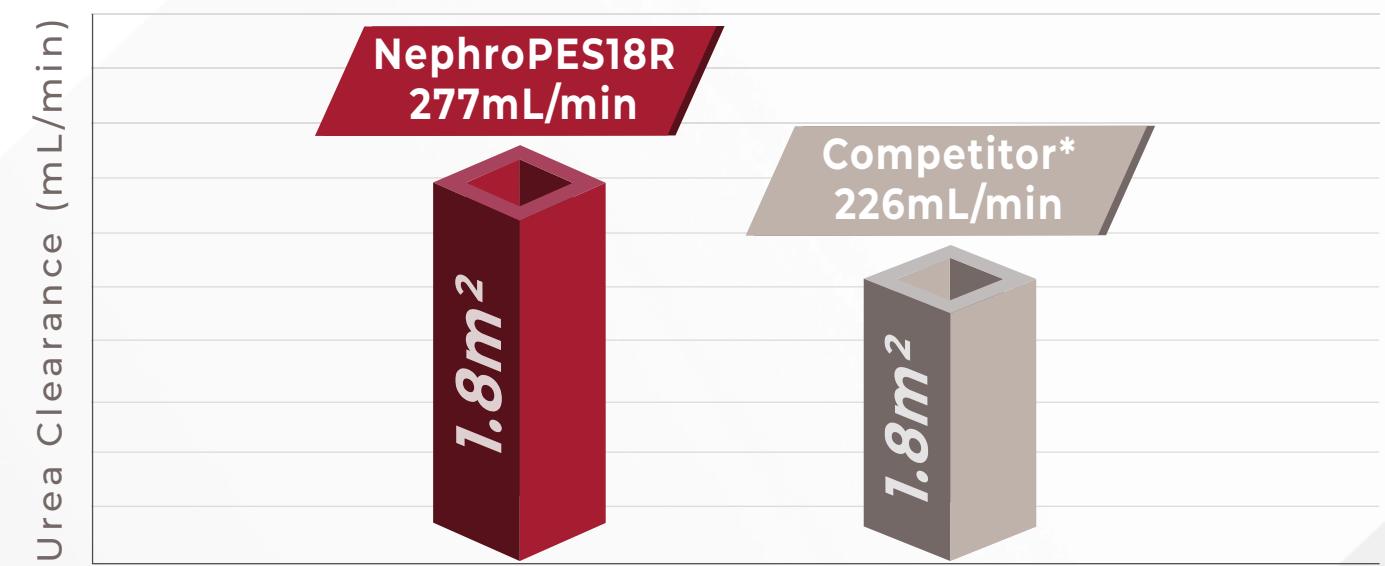
QB: Blood flow rate

QF: Ultrafiltration rate

QD: Dialysate flow rate

*Specifications and performance data at QB = 200/300mL/min, QD = 500mL/min, QF = 0mL/min, T: 37 °C. Performance data was measured in vitro according to standards BS EN ISO 8637-1:2020. Clearance data may vary depending on testing conditions

REMOVAL OF UREMIC TOXINS IN LOW FLUX DIALYZERS



Dialyzer Sizes, Low Flux, Gamma Sterilization

Specifications and performance based on NephroCan's PES 1.8M² Polyethersulfone membranes.

QB = 300mL/min, QD = 500mL/min, QF = 0mL/min

*Specifications and performance based on public data available on average competing hemodialyzers with Polyethersulfone membranes. QB = 300mL/min, QD = 500mL/min, QF = Not Reported

NEPHROFILTER CHARACTERISTICS





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