





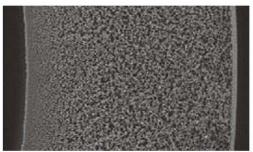
Professional Manufacturer of blood purification products

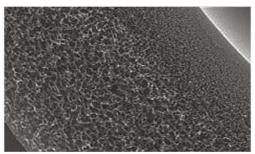


PES vs PS

- without BPA
- More strong/stable mechnical strength realize more thin wall thickness easy for priming and backwash
- better pore size control
 more uniform pore distribution
 lower protein adsorption
 more high and stable clearance performance
- Superior biocompatibility

Cross Section of Different Membranes





Polyethersulfone

Polysulfone

The basic polymer

Polyethersulfone

Polysulfone

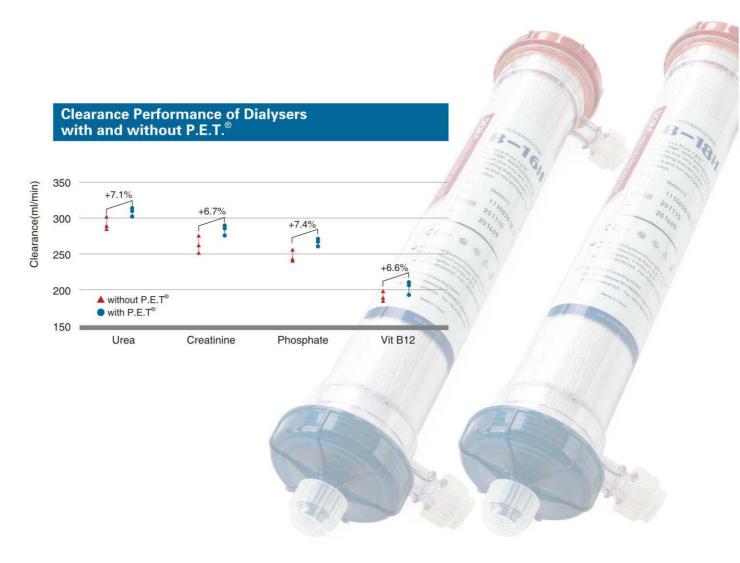
P.E.T.®: Performance Enhancing Technology

PET(Poly Ethylene Terephthalate) spacer yarns consist of muitifilament threads integrated into the fiber bundles

Improves dialysate distribution throughout the dialyzer

- Increases clearance values
- Maintains consistent performance from dialyser to dialyser throughout the entire treatment







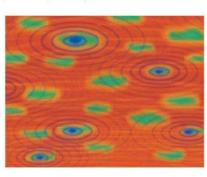
H series (High-flux)

New Technology

- less adsorption of proteins to the membrane, leads to significantly enhanced LMW protein removal
 stable clearance throughout the treatment
- low albumin loss
- steeper sieving profile, leads to high LMW protein removal AND Low loss of esssential proteins (Albumin)
- LMW protein removal comparable to online post-dilution HDF with conventional high-flux membranes
- Safe pyrogen retention
- Highest B2m removal, low albumin loss and safe pyrogen retention.

S.E.T.-sieving enhancing technology: active surface management

- During the production process, active centres are created on the blood side (patent protected technology)
- These active centres mediate the electrostatic, polar and hydrophobic interactions of proteins and middle mole-cular toxins with the membrane wall
- Protein adsorption to the membrane and the pores is reduced clogging
- Middle molecular toxins can move more easily through the pores
- Unprecedented removal characteristics

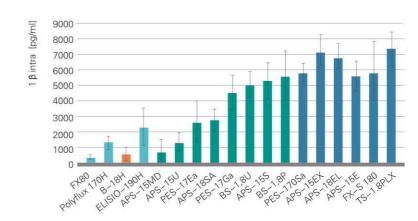








Pyrogen Retention of High-flux Dialysis Membranes



An increase in membrane performance (β₂m-clearance) and selection of a dialyzer does not only have an impact on albumin loss but also on retention of pyrogens

Only PUREMA® H with high β_2 m-clearance,high pyrogen retention and low albumin loss is the option of choice to combine high β_2 m-clearance with safe pyrogen retention

Measured with QB200,QD500,QF10 . (ml/min)

Model	B-14H	B-16H	B-18H	B-20H	B-22H
Surface m ²	1.4	1.6	1.8	2.0	2.2
Urea	193	195	197	198	199
Creatinine	181	185	190	195	199
Phosphate	176	181	185	190	195
Vit.B12	147	155	165	175	180
Inulin	115	118	125	141	156

Measured with QB300,QD500,QF10 . (ml/min)

Surface m ²	1.4	1.6	1.8	2.0	2.2
Urea	260	267	275	280	285
Creatinine	235	250	260	270	280
Phosphate	220	235	250	262	267
Vit.B12	170	175	195	208	220
Inulin	120	130	140	160	180

Measured with QB400,QD500,QF10 . (ml/min)

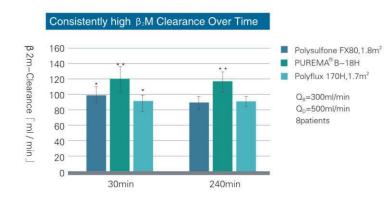
Surface m ²	1.4	1.6	1.8	2.0	2.2
Urea	310	320	330	340	350
Creatinine	280	295	305	317	330
Phosphate	260	265	285	297	310
Vit.B12	180	190	200	212	223
Inulin	130	142	155	167	183

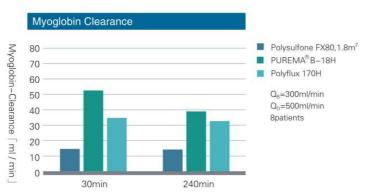
UFR [ml/(hr.mmHg)]	62	71	78	84	89	
Potting material	PU					
Housing and caps material	PC					
Sterilization	Gamma Rays					
Wall thickness (µ m)	30					
Int.diameter (µ m)	200					
Max TMP (mmHg)	500					
Priming volume (ml)	76	88	98	110	120	

- The Ultrafiltration Coefficients were measured in the condition of QB=300mL/min, TMP=50mmHg.
- Technical features are subject to change without prior notice at the discretion of Bain Medical. Above data does not has contractual value

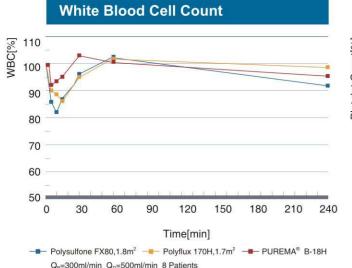


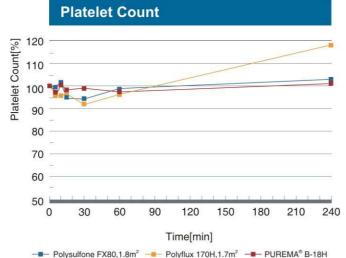
High flux: Stable Middle Molecular Clearance



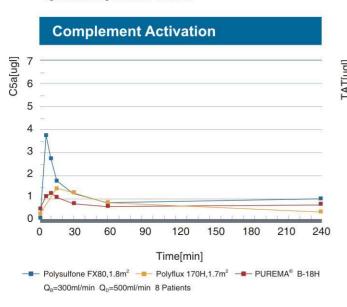


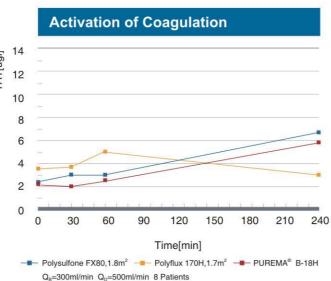
High flux Biocompatibility





Q_B=300ml/min Q_D=500ml/min 8 Patients





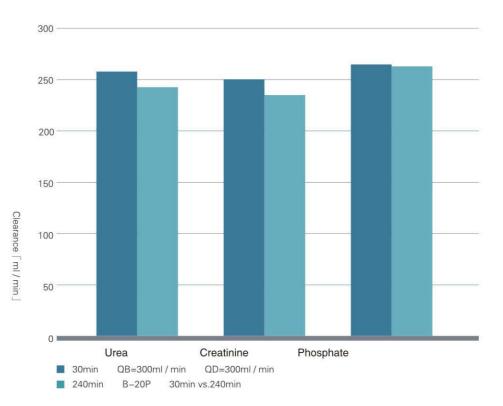




P series Mid-Low flux

- P series is competitive to other synthetic low flux-membrance in terms of hemocompatibility and performance
- In terms of middle molecular removal, P series is superior to conventional low-flux membrances

P Series: Stable Low Molecular Clearance



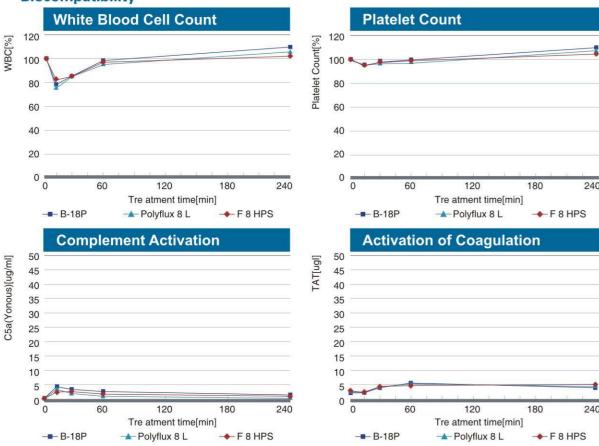


Measured with QB200,QD500,QF10 . (ml/min)

Model	B-14P	B-16P	B-	18P	t	3-20P	B-22P	
Surface m ²	1.4	1.6	1	1.8		2.0	2.2	
Urea	183	186	18	189		191	194	
Creatinine	171	176	18	180		184	188	
Phosphate	145	150	16	162		166	170	
Vit.B12	95	99	10	108		115	122	
Measured with QB300,QD500,QF10 . (ml/min)								
Surface m ²	1.4	1.6	1.	.8		2.0	2.2	
Urea	234	241	24	48		253	259	
Creatinine	212	221	22	229		236	243	
Phosphate	170	188	19	195		200	205	
Vit.B12	108	112	12	126		132	138	
Measured with QB400,QD500,QF10 . (ml/min)								
Surface m ²	1.4	1.6	1.	1.8		2.0	2.2	
Urea	265	275	28	284		292	300	
Creatinine	236	248	25	58	268		278	
Phosphate	200	220	23	30	246		260	
Vit.B12	120	125	13	38	145		152	
1150 5 1//							22	
UFR [ml/(hr.mmHg)]		19 21 22 24 26					26	
Potting material		PU						
Housing and cap	os material	PC						
Sterilization		Gamma Rays						
Wall thickness (35						
Int.diameter (µn		200						
Max TMP (mmHg			V2-22	500				
Priming volume (ml)		79	87	100)	109	116	

- The Ultrafiltration Coefficients were measured in the condition of QB=300mL/min, TMP=50mmHg.
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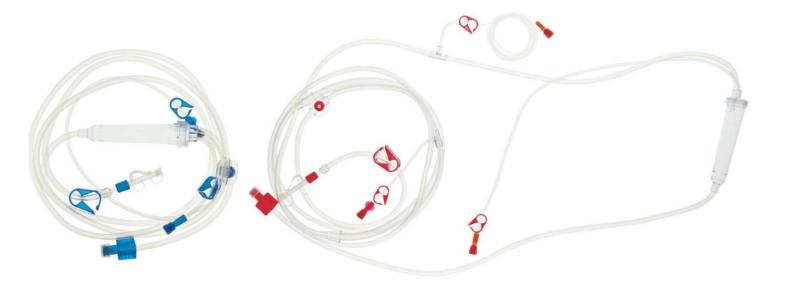
Biocompatibility





Tubing Sets for Hemodialysis

- Medical grade PVC tubing minimizes side effect to health.
- All components are available for most brands of hemodialysis machines in operation worldwide; customized blood lines are available on request.
- Sterilization: E.O. gas or gamma ray.
- CE marked



Tubing Set for Hemodialysis with DINCH (DEHP FREE)

(*Available on demand)

The introduction to DINCH (DEHP FREE)

 DINCH was introduced to the global market in 2002 as an alternative plasticizer for sensitive exposure application such as toys, food packaging and medical devices.

The feature of DINCH (DEHP FREE)

- No relevant hazards for cancer, testiculartoxicity, impairment of fertility, developmental toxicity, teratogenicity and endocrine action.
- No environmental hazards.
- No accumulation in the body.



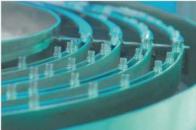
Disposable A.V. Fistula Needle Sets

- Ultra thin wall and siliconized for smoother penetration.
- Special process on blade reduces pain and skin damage for smoother penetration.
- Medical grade PVC tubing minimize side effect to health.
- Sterilization: E.O. gas and gamma ray.
- CE Certification passed.
- * 15G/16G/17G
- * fixed wing/rotatable wing * with/without back eye
- * Safety needle & Dull needle are available



All the process of moulding and extrusion are elaborated and qualified according to most up-to-date international rules.









- Variable configurations are available according to different using habits.
- Better Care to patients and operators.