

>> Low Flux High Performance Series

Hollow Fiber Dialyzer



Corporate Headquarters

SHANDONG WEIGAO BLOOD PURIFICATION PRODUCTS CO., LTD.

Tel: +86 631 5660598 Fax: +86 631 5660598

International Business Headquarters

WEGO HEALTHCARE (SHENZHEN) CO., LTD.

19F, Building 3, Sunmax Technology Plaza, No.8 Keyuan
Road, Nanshan District, Shenzhen, China

Tel: +86 755 33892500 Fax: +86 755 33892508

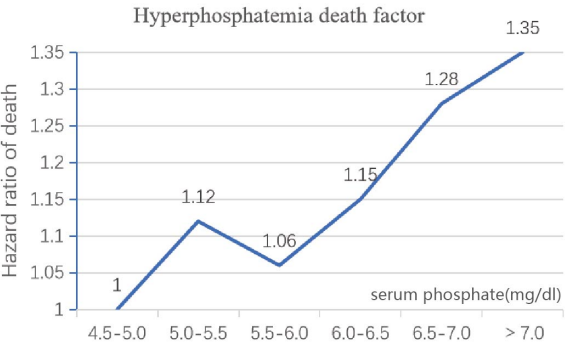
E-mail: info@wego-healthcare.com

www.wego-healthcare.com/en

Product Feature

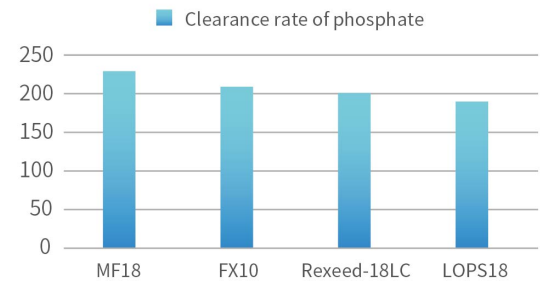
1 Better removal capacity of serum phosphate

According to DOPPS (The Dialysis Outcomes and Practice Patterns Study) research, as the concentration of serum phosphate goes up, the hazard ratio of death increases.



Data source: Kidney International, Vol. 67 (2005), pp. 1179-1187

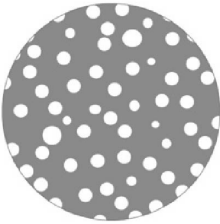
Remove serum phosphate effectively, thus improving patients prognosis, reducing the hazard ratio of death.



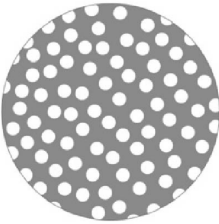
Test condition: Qd=500ml/min, Qb=300ml/min, Qf=0; T=37°C

2 Better ultrafiltration rate

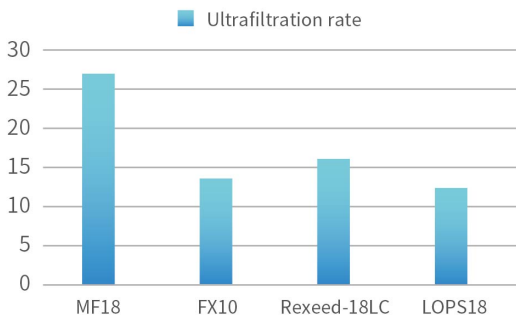
Larger average diameter of the membrane pores, leads to higher surface porosity and better ultrafiltration rate.



Low surface porosity and inconsistent pore size



Higher surface porosity and uniform pore size

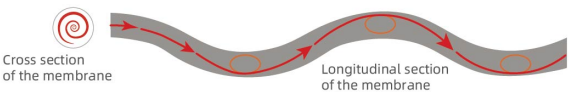


Test condition: Qb=300ml/min, TMP=100mmhg, protein content:60±5g/L

3 Micro-wave design of the dialysis membrane

Micro-wave design can generate Dean vortex and reduce tunnel effect in blood side, makes the dialysate wrap each hollow fiber more evenly in dialysate side, thus increase the efficiency of substances exchange and improve therapeutic effect.

Blood side
Schematic diagram of hydrodynamic principles inside the hollow fiber membrane

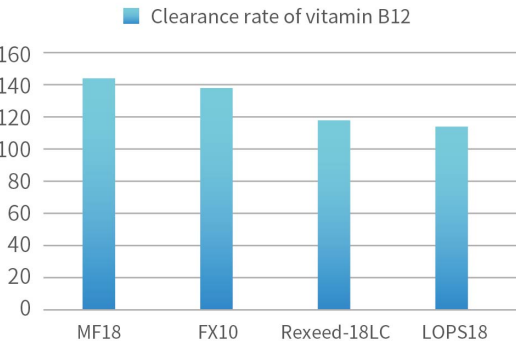


Dialysate side
Schematic diagram of hydrodynamic principles outside the hollow fiber membrane



4 Clearance effect of middle-large molecules been improved

Sieving coefficient of β 2-MG reaches 0.3 (in vitro)



Test condition: Qd=500ml/min, Qb=300ml/min, Qf=0; T=37°C

Technical specification

IN VITRO PERFORMANCE	MF14	MF16	MF18	MF19
Ultrafiltration coefficient (mL/h · mmHg)	22	25	27	28
Clearance: Q _B =200ml/min				
Urea	190	195	197	198
Creatine	178	183	187	189
Phosphate	172	176	180	182
Vitamin B ₁₂	115	120	124	126
Clearance: Q _B =300ml/min				
Urea	248	257	265	269
Creatine	225	234	242	246
Phosphate	206	217	230	237
Vitamin B ₁₂	126	135	144	148
Clearance: Q _B =400ml/min				
Urea	276	291	305	312
Creatine	247	260	273	280
Phosphate	230	243	256	263
Vitamin B ₁₂	130	139	148	152
KoA urea(mL/min)	801	916	1045	1123
Surface(m ²)	1.40	1.60	1.80	1.90
Wall thickness/internal diameter(μm)	40/200			
Priming volume (mL) bloodside	74	81	92	95
Membrane material	Polysulfone			
Sterilization	Radiation			
Units per box	24pcs/carton			
Housing	Polycarbonate			
Potting compound	Polyurethane			
Sealing ring	Medical silicon rubber			

Test conditions:

Clearance in vitro: QD=500mL/min; QF=0mL/min; T=37°C

UF coefficient: Bovine plasma; QB=300mL/min; protein content: 60±5g/L; TMP=10MMHg

KoA: QB=300mL/min; QD=500mL/min

Note: Products of this series have high performance of ultrafiltration and permeability. Please use only with dialysis equipment with ultrafiltration control function.