

HEMODIALYSIS PRODUCT CATALOGUE

WEGO 威高
THE BLOOD PURIFICATION EXPERT

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COMPANY PROFILE

Founded in 2004, WEGO blood purification industry group is devoted to blood purification field. We manage seven subsidiaries and cooperate with two international medical enterprises-Terumo and Nikkiso. With hemodialysis, peritoneal dialysis and dialysis clinics as our strategic orientation, we offer the complete blood purification related products and service to serve global kidney disease patients wholeheartedly. It has become a world-leading corporation in blood purification field due to its technology and top quality.



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WEGO威高

WE ARE DEVOTED TO PROVIDING TOP-QUALITY PRODUCTS AND TREATMENT TO OUR PATIENTS WORLDWIDE.

WEGO DEVOTED TO BRINGING WARMTH TO LIFE.

HIGH FLUX DIALYZER

Wego has introduced integrated nano-spinning technology to manufacture advanced high flux polysulfone membrane with uniform distribution of membrane pores.

Asymmetric structure of membrane for efficient inhibition of endotoxin transfer from the dialysate circuit to the patient's bloodstream.

Hydrophilic and hydrophobic microdomains and smooth and mirror-like cutting sections for reduction of activation of coagulant factors and absorption of cytokines and proteins.

Products benefits of HF series:

- ◆ Exceptional clearance of β 2-microglobulin
- ◆ Superior retention of albumin
- ◆ Excellent endotoxin barrier
- ◆ Outstanding biocompatibility
- ◆ Integrated Nano-spinning technology



IN VITRO PERFORMANCE	HF10	HF12	HF14	HF15	HF18	HF19	HF20	HF21	HF22	HF23
Ultrafiltration coefficient (mL/h ▪ mmHg)	29	35	41	44	53	56	69	73	78	84
Clearance: Q _B =200ml/min										
Urea	189	191	193	194	197	198	199	200	200	200
Creatinine	173	178	183	185	192	194	196	198	198	198
Phosphate	165	170	175	178	186	189	196	193	197	198
Vitamin B ₁₂	103	112	121	125	138	142	162	167	173	178
Clearance: Q _B =300ml/min										
Urea	232	242	252	257	272	277	287	288	289	291
Creatinine	205	214	226	232	250	256	275	278	280	281
Phosphate	184	199	214	222	245	253	273	275	276	278
Vitamin B ₁₂	110	122	134	140	158	164	189	198	206	209
Clearance: Q _B =400ml/min										
Urea	243	260	277	285	310	318	352	355	360	365
Creatinine	221	232	248	256	280	288	321	325	330	334
Phosphate	208	225	242	250	275	283	310	315	316	322
Vitamin B ₁₂	120	132	144	150	168	174	202	211	220	228
Sieving coefficients :										
β ₂ -MG	0.8						0.85			
Myohemoglobin	0.35						0.35			
Inulin	0.95						0.95			
Albumin	≤0.01						<0.003			
KoA urea (mL/min)	646	736	849	916	1190	1321	1714	1771	1832	1976
Surface (m ²)	1.00	1.20	1.40	1.50	1.80	1.90	2.00	2.10	2.20	2.30
Wall thickness										
internal diameter (μm)	40/200									
Priming volume (mL) bloodside	55	63	74	75	92	95	113	116	119	121
Membrane material	Polysulfone									
Sterilization	Radiation									
Units per box	12									

Test conditions:

Clearance in vitro: Q_D=500mL/min; Q_F=0mL/min; T=37°C

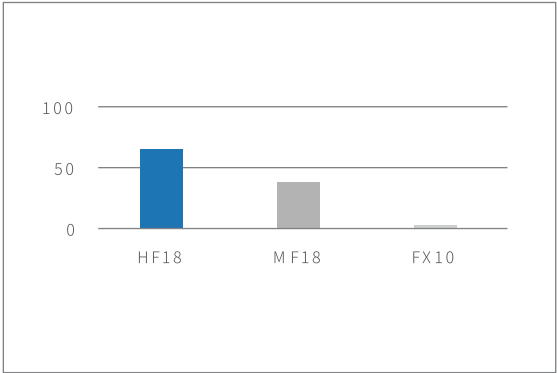
UF coefficient: Bovine plasma, Q_B=300ml/min; protein content: 60±5g/L; TMP=100mmHg

KoA: Q_B=300mL/min; Q_D=500mL/min

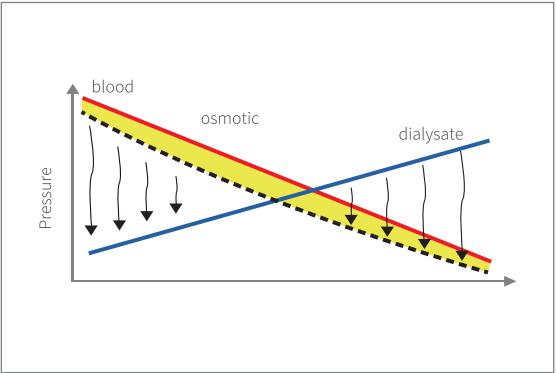
Sieving coefficient : Q_B=300mL/min; Q_F=60mL/min

MIDDLE FLUX DIALYZER

During the common dialysis treatment, it can assist the clearance of middle-molecular toxins such as β_2 microglobulin.



The higher ultrafiltration coefficient of middle flux dialyzers forms a pressure difference during the dialysis process to achieve the inverse filtering effects.



The membrane fiber is synthesized using the hydrophilic - lyophobic materials, which reduce the immunoreactions during the dialysis process.



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
Creatinine	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
Creatinine	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
Creatinine	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	12			

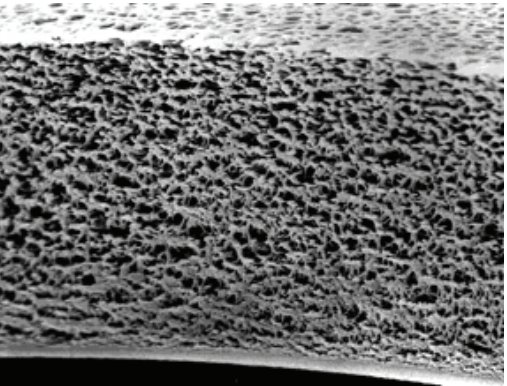
Test conditions:
Clearance in vitro: Q_D=500mL/min; Q_F=0mL/min; T=37°C
UF coefficient: Bovine plasma; Q_B=300mL/min; protein content: 60±5g/L; TMP=100mmHg
KoA: Q_B=300mL/min; Q_D=500mL/min

LOW FLUX HIGH PERFORMANCE DIALYZER

New fiber structure design, greatly enhance the clearance of small and medium molecules

Hydrophilic/hydrophobic blend polysulfone synthetic membranes

Excellent biocompatibility reduce clotting



Excellent phosphorus removal performance

- ◆ Reduce serum phosphate, thereby reducing the risk of hyperparathyroidism caused by calcium and phosphorus metabolism disorder
- ◆ Reduce skin itching and other symptoms caused by inadequate phosphorus clearance
- ◆ Reduce cardiovascular wall calcification
- ◆ Reduce the incidence of bone pain, fractures, fractures degeneration, bone deformities, joint pain and other renal osteopathy



IN VITRO PERFORMANCE	F15	F18	F20
Ultrafiltration coefficient (mL/h ▪ mmHg)	19	23	25
Clearance: Q _B =200ml/min			
Urea	193	197	199
Creatinine	177	182	184
Phosphate	159	167	169
Vitamin B ₁₂	109	121	128
Clearance: Q _B =300ml/min			
Urea	251	263	269
Creatinine	228	238	242
Phosphate	196	208	214
Vitamin B ₁₂	116	128	136
Clearance: Q _B =400ml/min			
Urea	284	302	310
Creatinine	252	267	273
Phosphate	219	235	243
Vitamin B ₁₂	124	138	146
KoA urea (mL/min)	836	1010	1123
Surface (m ²)	1.50	1.80	2.00
Wall thickness/internal diameter (μm)	40/200		
Priming volume (mL) bloodside	78	100	110
Membrane material	Polysulfone		
Sterilization	Radiation		
Units per box	12		

Test conditions:

Clearance in vitro: Q_D=500mL/min; Q_F=0mL/min; T=37°C

UF coefficient: Bovine plasma, Q_B=300ml/min; protein content: 60±5g/L; TMP=100mmHg

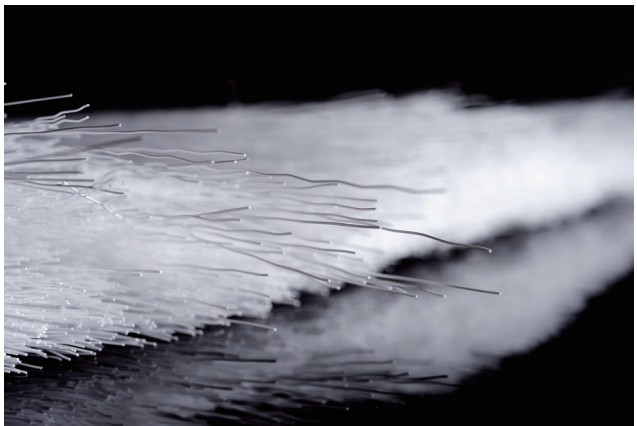
KoA: Q_B=300mL/min; Q_D=500mL/min

LOW FLUX DIALYZER

Integrated production of spinning, assembly and testing, all process rigorous testing and quality assurance.



The membrane fiber is synthesized using the hydrophilic - lyophobic materials, which reduce the immunoreactions during the dialysis process.



- Hydrophilic/hydrophobic blend synthetic membranes (PSU&PVP)
- Microwave membrane fiber design
- Smoothing and optimized end surface and caps design



IN VITRO PERFORMANCE	F12	F13	F14	F16
Ultrafiltration coefficient (mL/h ▪ mmHg)	16	17	18	20
Clearance: Q _B =200ml/min				
Urea	180	185	190	195
Creatinine	167	171	174	179
Phosphate	147	152	156	162
Vitamin B ₁₂	97	101	105	113
Clearance: Q _B =300ml/min				
Urea	230	238	245	256
Creatinine	213	219	224	232
Phosphate	175	183	190	201
Vitamin B ₁₂	102	107	112	120
Clearance: Q _B =400ml/min				
Urea	257	267	276	291
Creatinine	231	239	246	258
Phosphate	195	205	213	225
Vitamin B ₁₂	108	114	119	129
KoA urea (mL/min)	630	698	767	902
Surface (m²)	1.20	1.30	1.40	1.60
Wall thickness/internal diameter (µm)	40/200			
Priming volume (mL) bloodside	70	73	75	80
Membrane material	Polysulfone			
Sterilization	Radiation			
Units per box	12			

Test conditions:
Clearance in vitro: Q_D=500mL/min; Q_F=0mL/min; T=37°C
UF coefficient: Bovine plasma, Q_B=300ml/min; protein content: 60±5g/L; TMP=100mmHg
KoA: Q_B=300mL/min; Q_D=500mL/min

HEMODIAFILTRATION SERIES

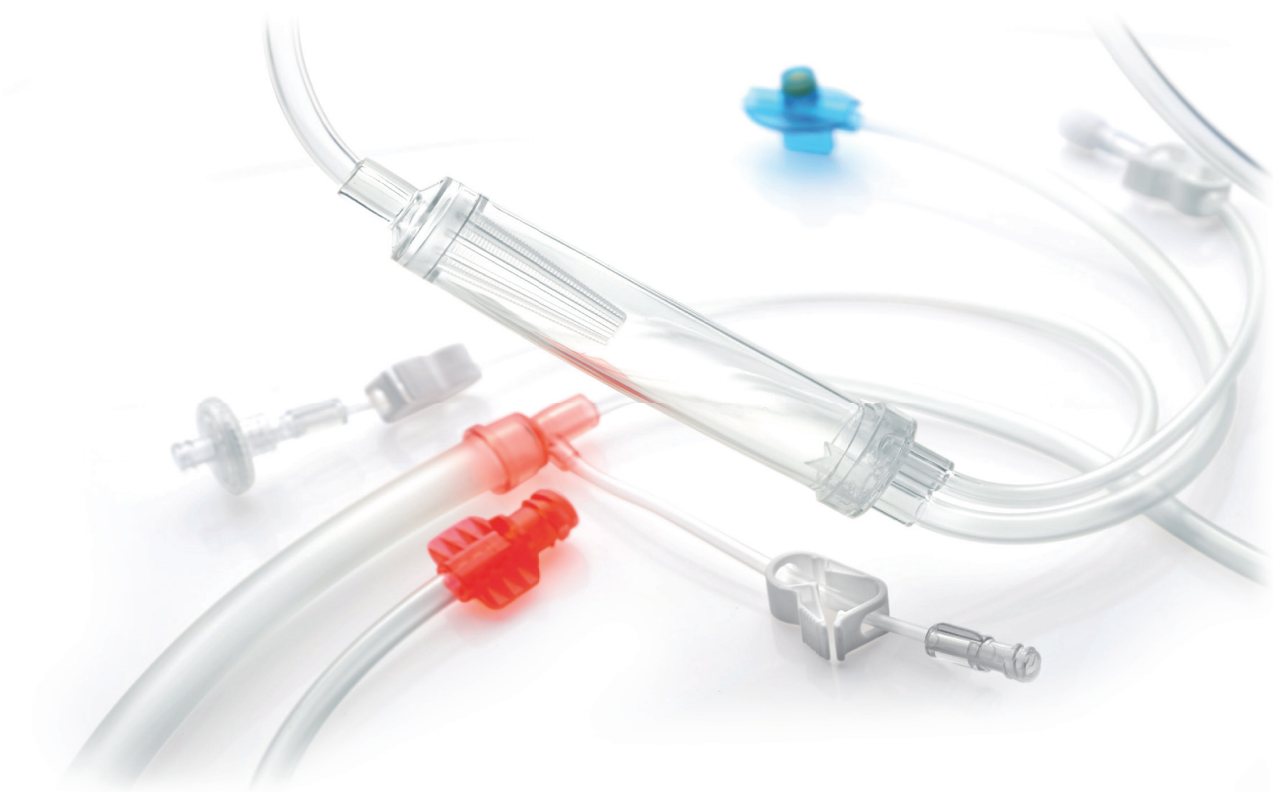
- Improving capability of clearing middle molecular and macromolecular toxin and reducing the morbidity of medium-term and long-term complications.
 - Micro wave fiber can generate dean vortex when liquid flows through, therefore improving dialysis efficiency.
 - Polysulfone membrane fiber exhibited excellent biocompatibility with high endotoxin retention capability.
- Hemodiafiltration can effectively remove the macromolecular substances, reduce the complications of dialysis, improve the patients' quality of life, extend the survival time, and reduce the mortality rate.



IN VITRO PERFORMANCE	HDF15	HDF16	HDF18	HDF20	HDF22	HDF23
Ultrafiltration coefficient (mL/h ▪ mmHg)	63	68	76	81	84	85
Clearance: Q _B =200ml/min						
Urea	196	197	199	200	200	200
Creatinine	188	190	194	196	197	198
Phosphate	182	184	188	192	195	198
Vitamin B ₁₂	144	147	153	160	171	175
Clearance: Q _B =300ml/min; Q _F =0mL/min						
Urea	269	272	280	288	295	296
Creatinine	260	265	272	275	278	279
Phosphate	253	257	263	266	267	268
Vitamin B ₁₂	166	170	177	180	185	189
Clearance: Q _B =300ml/min; Q _F =75ml/min						
Urea	284	285	290	294	296	297
Creatinine	270	273	274	278	280	281
Phosphate	265	266	267	267	269	271
Vitamin B ₁₂	214	218	227	233	238	240
Clearance: Q _B =400ml/min; Q _F =100ml/min						
Urea	358	361	365	368	369	370
Creatinine	338	343	354	359	361	362
Phosphate	322	327	338	349	356	362
Vitamin B ₁₂	253	357	266	272	276	279
Sieving coefficients :						
β ₂ -MG	0.8			0.85		
Myohemoglobin	0.35					
Inulin	0.95					
Albumin	<0.003					
KoA urea (mL/min)	1567	1614	1900	2269	2566	2778
Surface (m²)	1.50	1.60	1.80	2.00	2.20	2.30
Wall thickness/internal diameter (µm)	40/200					
Priming volume (mL) bloodside	92	96	105	118	126	130
Membrane material	Polysulfone					
Sterilization	Radiation					
Units per box	12					

Test conditions:
Clearance in vitro: Q_D=500mL/min; Q_F=0mL/min; T=37°C
UF coefficient: Bovine plasma; Q_B=300mL/min, protein content: 60±5g/L; TMP=100mmHg
KoA: Q_B=300mL/min; Q_D=500mL/min; Q_F=75ml/min
Sieving coefficient : Q_B=300mL/min; Q_F=60mL/min

EXTRACORPOREAL BLOOD CIRCUIT FOR BLOOD PURIFICATION EQUIPMENT



- Various models with high compatibility: Over ten models are compatible with most dialysis machines in the market.
- A wide range of accessories: Accessories such as infusion line, pre-fill connectors and waste bags are available for you to choose at will, and can meet the different demands.
- The products are certified by CFDA and EU authority.

Specifications:

Models	Pump tube&vein pot diameter parameters	Suitable equipment brand
JRHLS-001 Series	— —	Infusion tube for HDF/HF, tailored CRRT tube
JRHLL-010 Series	Pump tube:8*12mm Vein pot diameter:20mm	Nikkiso\Nipro\Toray,etc.
JRHLL-020 Series	Pump tube:8*12mm Vein pot diameter:22mm	Gambro\Fresenius\B. Braun, etc.
JRHLL-040 Series	Pump tube:8*12mm Vein pot diameter:30mm	Fresenius series

A.V. FISTULA NEEDLE SET

Ultra-thin dual radians sharp needle

Reduce tissue damage and pain

Rotation of the needle-wing and oval-shaped back hole

Adjustable to obtain the optimal blood flow and venous pressure,improve the quality of dialysis

Fine and even siliconized

Good biocompatibility, reduce puncture resistance

Red and blue points mark

Easy identification of needle point direction (red dot needle bevel down, blue dot needle bevel side up)



Technical Parameters

SPECIFICATIONS(LENGTH)	THE LENGTH OF CATHETER	CATEGORY	STERILIZATION METHOD	QUANTITY PER CARTON
15/16/17G (25mm)	300mm	Fixed wing needle	ETO	288/480pcs
15/16/17G (25mm)	300mm	Rotary wing needle	ETO	288/480pcs
15/16/17G (32mm)	300mm	Fixed wing needle	ETO	288/480pcs
15/16/17G (32mm)	300mm	Rotary wing needle	ETO	288/480pcs

DIALYSIS CONCENTRATE

Hemodialysis concentrate powder

- The production area is a 10,000 grade purification zone
- The ion content is accurate and is measured by the atomic absorption spectrophotometry
- The packing specification can be customized according to customer's demand



Ingredient	Na	K	Ca	Mg	Cl	HCO ₃ ⁻	C ₆ H ₁₂ O ₆	PH
Concentration (mmol/L)	135-145	0-4	1.25-1.75	0.5-0.75	100-115	30-40	0-11	7.1-7.3

Hemodialysis concentrater

- Two-stage reverse osmosis water + CEDI + Ultrafiltration of water
- Bacterial endotoxin < 0.03 EU/ml, meeting the international standard for ultrapure dialysis solution



Bi-cartridge/Bi-bag

- Be used directly on line, no manual operation needed
- Well-design, easy to use
- Simply machine maintenance and extend machine life

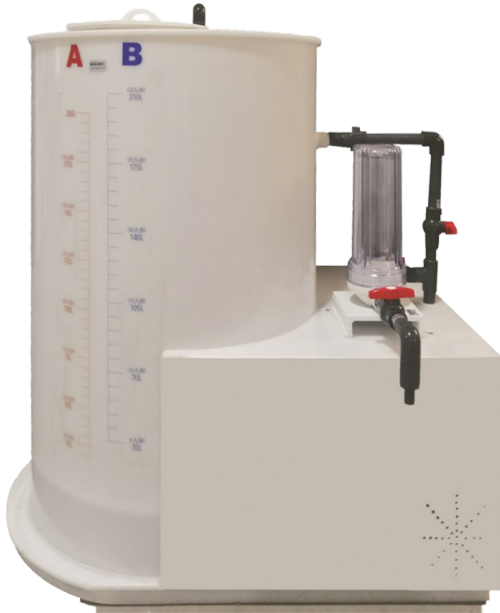


Specification and Model	Dilution Ratio (A:B:H2O)	Concentration of solution B Na+ Mg2+ Ca2+ Cl- CH3COO- HCO3-									PH Value
		NaHCO3	NaCl				Final Ion Concentration (mmol/l)				
Ingredient	1:1.225:32.775	8.40%	-	138	2	0.5	1.5	109	3	35	7.1-7.6
Concentration (mmol/L)	1:1.83:34	6.60%	3.06%	140	2	0.5	1.5	107	3	35	7.1-7.6

DIALYSIS POWDER MIXING TANK

Features:

- Enclosed design make the mixer safe and hygienic
- The device is made of medical polymers, which is extremely strong and light, can completely preventing the corrosive reaction between dialysate and container
- Instantaneous mixing character makes the mixed dialysate more stable and less volatile
- Full automatic dialysate dispensing, rinsing and disinfection



Part Name	Quantity	Specification
Mixing pump	1	Corrosion resistant material
Anticorrosion bucket body and support	1	PP
Support	1	PP
UPVC connection tube	1	UPVC DN20
Leakage protection plug	1	AC220V,10A
Cable	1	1mm
10 inch filter	1	Nylon
10 inch 5 micron filter core	2	PP

WATER TREATMENT EQUIPMENT FOR HEMODIALYSIS

Features:

- Produced water quality up to the requirement of YY0572 - 2015 《Hemodialysis and related treatment water》 and the standard of American AAMI/ASAIO Hemodialysis water standard
 - Bacterial removal rate $\geq 99\%$; dissolved salt removal rate $\geq 99\%$; system emptying rate $\geq 99\%$, no dead space
 - Using digital technology to achieve energy regulator, water in and out regulator, system - wide (including the host membrane and piping) thermal disinfection
 - Auto control system make the operation easy and convenient
- Through a closed cabinet insulation, high - quality noise reduction devices, water - cooled high - voltage submersible pumps to reduce machine noise
 - On - line monitoring key points such as system status, flow, pressure, water quality and desalination with fault alarm
 - Concentrated water recycling, to achieve the most rational utilization of water resources
 - Optional features: Multiple choice of water supply mode; remote online monitoring service



Type	Model	Permeate (L/H)	Dimensions(cm)			Applicable bed number	Total operating weight (KG)	Power (KVA)	Environment
			Length	Width	Height				
One-stage	TCH-RO/1	300	1400	750	1700	7	1200	3	5-40°C, RH \leq 80%, 380V \pm 38V, 50HZ,
		600	1480	780	1700	15	1500	4	
		900	1070	780	1700	20	2000	4	
	TCH-RO/2	1200	1250	780	1700	35	2400	5	
		2000	1500	780	1700	60	2900	6	
		3000	1900	780	1700	80-100	4000	9	
Two-stage	TCH-RO II /1	4000	2200	780	1700	110-130	6000	10	
		300	1060	720	1700	7	1400	5	
		600	1230	740	1700	15	1700	5.5	
	TCH-RO II /2	900	1230	760	1700	20	2300	8	
		1200	1390	780	1700	35	2800	10	
		1500	1390	780	1700	40	2800	10	
	TCH-RO II /3	2000	1720	780	1700	60	3900	11	
		4000	2493	1000	1700	110-130	7000	20	
		3000	2070	850	1700	80-100	4900	13	

OTHER CONSUMABLES

Features:

- The product can effectively kill bacterial spores to meet the disinfection requirements
- After the product is placed at 37°C for 90 days, the citric acid content decreases by only 0.98%
- According to the acute toxicity grading standard, the product belongs to the actual non-toxic grade



20% Citric acid disinfectant



50% Citric acid disinfectant



Disinfectant

Sodium chloride physiological solution for rinsing



Sterile dialysis nursing kit:

- The kit can be customized according to customer's demand
- The kit consists of all necessary components for before and after dialysis, it saves time and purchasing cost.



Sterile dialysis nursing kit accessories:

On	Surgery Sheet	Off	Surgery Sheet
	Bandage		Wound Dressing
	Gauze Pad		Gauze Pad
	Tourniquet		Glove
	Luer Lock Syringe		Mask
	Glove		
	Mask		

DIALYSIS CHAIR

Electric Dialysis Chair Series

- Four Germany Dewert motors
 - With adjustment of legrest, backrest and seat height, it adjust sitting position, semi-fowler position, lying position and trendelenburg position...
 - Adjustable height handrail
 - Folding foot table, LED reading lamp
 - Head pillow height adjustable
 - ABS cover
- Medical mute casters of 125 central control brake imported from TENTE, Germany, are more stable and convenient

Dimension	
Length	2100mm±20mm
Seat width	600mm±20mm
Height	600~840mm±20mm
Weight	115kg±3kg
Safe maximum load	240kg
Backrest adjustment	-10° ~75° ±2°
Legrest adjustment	-70° ~10° ±2°



DIALYSIS BED

Electric Dialysis Bed Series

- Three Denmark Linak motors
 - With adjustment of legrest and backrest, it adjust sitting position, semi-fowler position, lying position and trendelenburg position...
 - HPL head/foot board
 - Folding aluminum guardrail
 - Head pillow height adjustable
 - ABS cover, increase safety and protection
- Medical mute casters of 125 central control brake imported from TENTE, Germany, are more stable and convenient

Dimension	
Length	2100mm±20mm
Seat width	680mm±20mm
Height	580~810mm±20mm
Weight	128kg±3kg
Safe maximum load	240kg
Backrest adjustment	-12° ~70° ±2°
Legrest adjustment	-45° ~12° ±2°



■ For more specifications of our dialysis chair or dialysis bed , please contact us via info@wego-healthcare.com