

Hollow Fiber Dialyzers HF Series



VITAL HEALTHCARE SDN. BHD.

Add: PT 83718, Jalan Bestari 1A/KU7, Taman Perindustrian Kapar Bestari, 42200 Kapar, Selangor, Malaysia.
Tel: +603 33962329 **Fax:** +603 33962339

Model	V-14HF	V-16HF	V-18HF	V-20HF	V-22HF	V-24HF
Effective Surface Area (m ²)	1.4	1.6	1.8	2.0	2.2	2.4
Priming Volume (mL)	87	100	109	120	138	155
URF(mL/hr/mmHg)	48	55	60	66	72	77

Model	V-14HF			V-16HF			V-18HF			V-20HF			V-22HF			V-24HF			
QB(mL/min)	200	300	400	200	300	400	200	300	400	200	300	400	200	300	400	200	300	400	
Clearance (mL/min)	Urea	193	262	304	195	269	315	196	277	324	197	281	335	198	288	344	199	295	353
	Creatinine	185	233	275	190	248	290	193	258	300	195	269	311	197	278	322	199	292	333
	Phosphate	182	238	308	188	254	314	192	268	328	195	280	337	197	289	355	199	295	362
	Vitamin B ₁₂	139	161	181	148	166	191	157	186	201	167	199	212	173	210	223	179	220	234
	Inulin	100	124	125	119	131	132	130	140	144	142	150	154	154	159	165	165	168	176

Test condition: Q_D=500mL/min, Q_F=10mL/min, temperature 37°C±1°C

Membrane	Polyethersulfone	
Potting material	PU	
Housing and caps material	PP	
Sterilization	Radiation	
Wall thickness(μm)	40	
Int.diameter(μm)	200	
Max TMP (mmHg)	500	
Sieving	Inulin	1.0±0.1
	β ₂ -microglobulin	≥0.7
Coefficients (S.C.)	Myoglobin	0.55±0.1
	Albumin	≤0.01

Test condition: k_u with anticoagulation bovine plasma, HCT 32%, protein 60±5g/L, temperature 37±1°C, Q_B=300mL/min, TMP=100mmHg
S.C.: with anticoagulation bovine plasma, protein 60±5g/L, temperature 37±1°C, Q_B=200mL/min, Q_F=30mL/min:



Hollow Fiber Dialyzers LF Series



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CE 0197

Model	V-14LF	V-16LF	V-18LF	V-20LF	V-22LF	V-24LF
Effective Surface Area (m ²)	1.4	1.6	1.8	2.0	2.2	2.4
Priming Volume (mL)	85	98	110	125	137	150
UFR(mL/hr/mmHg)	21	23	26	29	33	36

Model	V-14LF			V-16LF			V-18LF			V-20LF			V-22LF			V-24LF			
QB(mL/min)	200	300	400	200	300	400	200	300	400	200	300	400	200	300	400	200	300	400	
Clearance (mL/min)	Urea	190	252	280	192	260	289	194	267	300	195	275	310	196	284	320	197	293	329
	Creatinine	182	233	262	185	246	277	188	257	289	191	270	299	195	281	312	197	289	323
	Phosphate	180	227	267	186	239	278	191	249	292	193	260	305	196	271	317	198	280	328
	Vitamin.B12	115	131	141	124	147	157	131	161	174	139	176	187	147	190	201	156	201	215

Test condition: Q_D=500mL/min, Q_F=10mL/min, temperature 37°C±1°C

Membrane	Polyethersulfone
Potting material	PU
Housing and caps material	PP
Sterilization	Radiation
Wall thickness(μm)	40
Int.diameter(μm)	200
Max TMP(mmHg)	500

Test condition: K_{ur} with anticoagulation bovine plasma, Hct 32%, protein 60±5g/L, temperature 37±1°C. QB=300mL/min, TMP=50mmHg

Hollow Fiber Dialyzers H Series



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Model	DIA13H	DIA15H	DIA17H	DIA19H	DIA21H
Effective Surface Area (m ²)	1.3	1.5	1.7	1.9	2.1
Priming Volume (mL)	85	98	107	118	136
UFR(mL/hr/mmHg)	47	54	59	65	71

Model	DIA13H			DIA15H			DIA17H			DIA19H			DIA21H			
QB(mL/min)	200	300	400	200	300	400	200	300	400	200	300	400	200	300	400	
Clearance (mL/min)	Urea	187	255	301	190	260	309	192	266	317	194	274	325	195	278	335
	Creatinine	182	218	256	187	230	268	191	244	279	193	256	290	195	269	302
	Phosphate	177	226	285	180	238	290	184	250	295	189	262	306	193	271	318
	Vitamin B ₁₂	125	153	173	131	157	180	138	174	188	144	188	195	155	204	203
Inulin	95	115	121	107	120	125	118	128	131	132	138	141	145	148	151	

Test condition : Q_D=500mL/min, Q_F=0mL/min, temperature 37°C±1°C

Membrane	Polyethersulfone
Potting material	PU
Housing and caps material	PC
Sterilization	Radiation
Wall thickness(μm)	40
Int.diameter(μm)	200
Max TMP (mmHg)	500
Inulin	1.0±0.1
Sieving β ₂ -microglobulin	≥0.7
Coefficients Myoglobin	0.55±0.1
(S.C.) Albumin	≤0.01

Test condition: for with anticoagulation bovine plasma, HCT 32%, protein 60±5g/L, temperature 37±1°C, Q_B=300mL/min, TMP=100mmHg
S.C.: with anticoagulation bovine plasma, protein 60±5g/L, temperature 37±1°C, Q_B=200mL/min, Q_F=30mL/min:

Hollow Fiber Dialyzers L Series



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Model	DIA13L	DIA15L	DIA17L	DIA19L	DIA21L
Effective Surface Area (m ²)	1.3	1.5	1.7	1.9	2.1
Priming Volume (mL)	83	96	108	123	135
UFR(mL/hr/mmHg)	20	22	25	28	32

Model	DIA13L			DIA15L			DIA17L			DIA19L			DIA21L			
QB(mL/min)	200	300	400	200	300	400	200	300	400	200	300	400	200	300	400	
Clearance (mL/min)	Urea	186	244	272	187	249	279	191	257	286	192	266	297	194	272	309
	Creatinine	178	215	248	180	226	260	183	243	276	185	253	286	188	267	296
	Phosphate	175	215	256	177	224	267	182	237	275	186	248	289	190	259	305
	Vitamin.B12	108	116	128	112	128	140	121	145	156	130	158	171	136	173	184

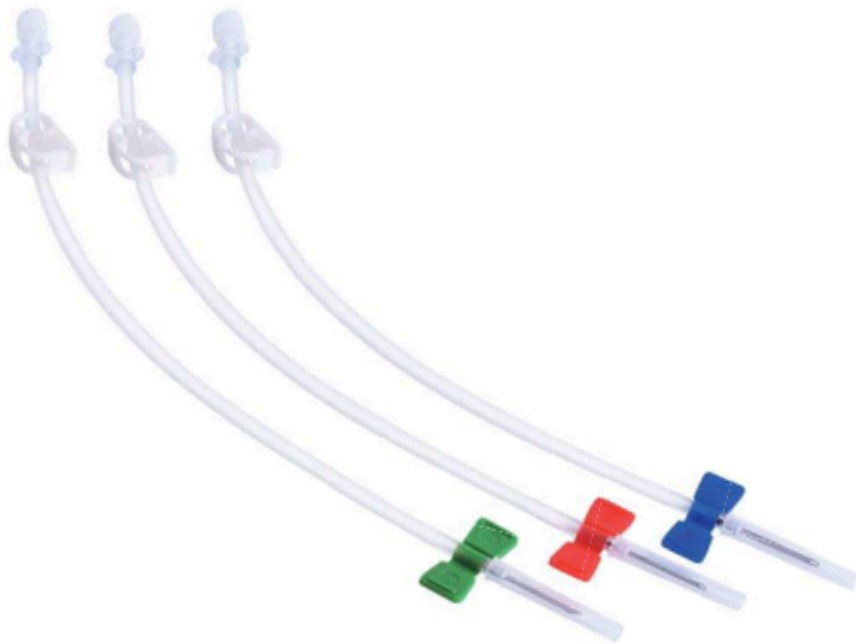
Test condition: Q_D=500mL/min, Q_F=0mL/min, temperature 37 C±1 C

Membrane	Polyethersulfone
Potting material	PU
Housing and caps material	PC
Sterilization	Radiation
Wall thickness(μm)	40
Int.diameter(μm)	200
Max TMP(mmHg)	500

Test condition:K_{ur}:with anticoagulation bovine plasma,Hct 32%,proten60±5g/L,temperature 37±1°C.QB-300mL/min,TMP-50mmHg



Disposable AV Fistula Needle Sets



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CE0197

Gauge	Needle Length	Wing	Tube Spec	Sterilization
14G	20±2mm	fixed/rotatable	ID3.2-OD5.0	EO/Gamma
14G	25±2mm	fixed/rotatable	ID3.2-OD5.0	EO/Gamma
14G	32±2mm	fixed/rotatable	ID3.2-OD5.0	EO/Gamma
15G	20±2mm	fixed/rotatable	ID3.2-OD5.0	EO/Gamma
15G	25±2mm	fixed/rotatable	ID3.2-OD5.0	EO/Gamma
15G	32±2mm	fixed/rotatable	ID3.2-OD5.0	EO/Gamma
16G	20±2mm	fixed/rotatable	ID3.2-OD5.0	EO/Gamma
16G	25±2mm	fixed/rotatable	ID3.2-OD5.0	EO/Gamma
16G	32±2mm	fixed/rotatable	ID3.2-OD5.0	EO/Gamma
17G	20±2mm	fixed/rotatable	ID3.2-OD5.0	EO/Gamma
17G	25±2mm	fixed/rotatable	ID3.2-OD5.0	EO/Gamma
17G	32±2mm	fixed/rotatable	ID3.2-OD5.0	EO/Gamma

- Ultra thin and siliconized wall for smooth penetration
- Special process on blade reduces pain and skin damage
- Medical grade PVC tubing minimizes side effect to health

Tubing Sets For Hemodialysis



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Applicable Machine	Sterilization Way
FMC 2008-4008	EO/GAMMA
GAMBRO AK10/100/200/200 ULTRA	EO/GAMMA
B.BRAUN DIALOG	EO/GAMMA
BELLCO FORMULA 2000	EO/GAMMA
HOSPAL INTEGRA/INTEGRALPHA	EO/GAMMA
NIKKISO DBB-03/05/06/07	EO/GAMMA
NIPRO	EO/GAMMA
TORAY	EO/GAMMA
ASAHI	EO/GAMMA

- Medical grade PVC tubing minimizes side effect to health.
- DEHP Free bloodline are available



CE0197

Hemodialysis Bicarbonate



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Hemodialysis Bicarbonate



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MESIN HEMO 5008S

Advanced Hemodialysis
System for Precision Care.

