

AsahiKASEI

HEMODIALYZER

*ViE*TM - A

*VitabranE*TM
Vitamin E - interactive membrane



ASAHI KASEI MEDICAL CO., LTD.
A Pioneer in Blood Purification

HEMODIALYZER

ViE™ - A**VitabranE™**
Vitamin E - interactive membrane**Performance (in vitro)**

	ViE-15A			ViE-18A			ViE-21A		
Blood Flow (mL/min)	200	300	400	200	300	400	200	300	400
Clearances (mL/min)									
Urea	195	268	314	197	273	323	198	279	333
Creatinine	196	267	305	197	273	315	198	279	327
Phosphate	182	232	263	185	240	275	189	250	288
Vitamin B ₁₂	137	162	173	145	172	185	153	184	199
Inulin	98	110	114	103	115	123	114	128	135
KoA (Urea)* (mL/min)	1103			1214			1382		
KUF (mL/hr/mmHg (mL/hr/kPa))	67.8 (508)			76.6 (575)			89.0 (668)		
Effective Surface Area (m ²)	1.5			1.8			2.1		
Sieving Coefficient									
Vitamin B ₁₂	1.0								
Inulin	1.0								
β ₂ -MG	0.8								
Myoglobin	0.4								
Albumin	< 0.001								

Conditions: Clearances: Qd=500mL/min, Qf=0mL/min KUF: Bovine blood, Total protein = 60±5g/L, Hematocrit = 32±3%, Qb=300mL
 Sieving Coefficient: Bovine plasma, Total protein = 60±5g/L ISO 8637:2010

* KoA: Calculated from Urea clearance value obtained at Qb=300mL/min, Qd=500mL/min, Qf=0mL/min.

Specifications

	ViE-15A	ViE-18A	ViE-21A
Membrane	VitabranE™ (Vitamin E-interactive Polysulfone)		
Internal Diameter of Hollow Fiber (μm)	185		
Wall Thickness of Hollow Fiber (μm)	45		
Priming Volume (mL)	86	103	117
Maximum TMP (mmHg(kPa))	500 (66)		
Maximum Blood Flow (mL/min)	500		
Maximum Dialysate Flow (mL/min)	800		
Dimensions (mm [L] x mm [D])	334 × 41	334 × 43	334 × 47
Weight (g)	463	520	604
Sterilization	Gamma-Ray		

Note: High permeability devices. Use only with ultrafiltration controlling equipment. ISO 8637:2010

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