

Asahi**KASEI**

HEMODIALYZER

# VitabranE™

Vitamin E - interactive membrane



## ViE™

*New Generation Dialyzer*

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

# VitabranE™

## HEMODIALYZER ViE™

### Performance (in vitro)

	ViE-13			ViE-15			ViE-18			ViE-21			
Blood Flow (mL/min)	200	300	400	200	300	400	200	300	400	200	300	400	
Clearances (mL/min) <sup>1)</sup>	Urea	183	235	266	187	244	279	190	251	289	192	257	297
	Creatinine	172	213	238	175	219	245	181	231	261	188	246	282
	Phosphate	164	200	220	170	210	233	178	225	253	183	235	266
	Vitamin B <sub>12</sub>	120	136	144	127	145	155	138	160	173	148	175	190
KoA (Urea) (mL/min) <sup>2)</sup>	671			757			836			916			
KUF (mL/hr/mmHg (mL/hr/kPa)) <sup>3)</sup>	51 (383)			58 (435)			70 (525)			81 (608)			
Effective Surface Area (m <sup>2</sup> )	1.3			1.5			1.8			2.1			
Sieving Coefficient <sup>4)</sup>	Inulin							1.0					
	β <sub>2</sub> -microglobulin							0.7					
	Myoglobin							0.1					
	Albumin							< 0.001					

**Conditions:** <sup>1)</sup> Clearances: Qd=500mL/min, Qf=0mL/min <sup>2)</sup> KoA: Qb=300mL/min, Qd=500mL/min, Qf=0mL/min

<sup>3)</sup> KUF: bovine blood, TP=60±5g/L, Hct=32±2%, Qb=300mL/min <sup>4)</sup> Sieving Coefficient: bovine plasma, TP=60±5g/L  
ISO 8637: 2004

### Specifications

	ViE-13	ViE-15	ViE-18	ViE-21
Membrane	VitabranE™ (Vitamin E-interactive Polysulfone)			
Internal Diameter of Hollow Fiber (μm)	200			
Wall Thickness of Hollow Fiber (μm)	45			
Priming Volume (mL)	80	90	105	114
Maximum TMP (mmHg (kPa))	500 (66)			
Maximum Blood Flow (mL/min)	500			
Maximum Dialysate Flow (mL/min)	800			
Dimensions (mm [L] x mm [D])	304 x 38	330 x 38	330 x 42	330 x 44
Weight (g)	378	405	486	510
Sterilization	Gamma-Ray			

Note: High permeability devices. Use only with ultrafiltration controlling equipment. ISO 8637:2004

## AsahiKASEI

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