

# AM-BIO-HX

**High Performance  
Good Biocompatibility  
Improved Anti-coagulation**



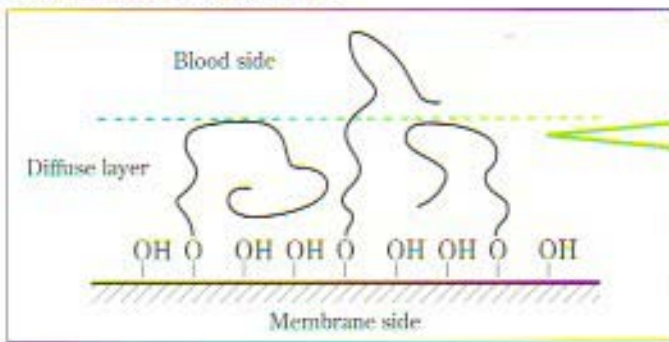
**ASAHI DIALYZER**



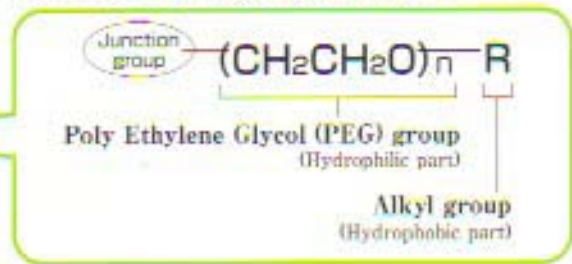
ASAHI MEDICAL CO., LTD.

A PIONEER IN BLOOD PURIFICATION

## Asahi Biomembrane™

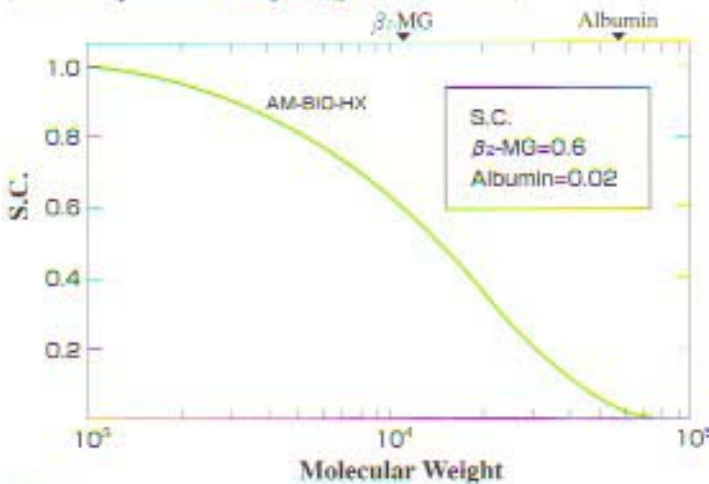


## Structure of grafted chains

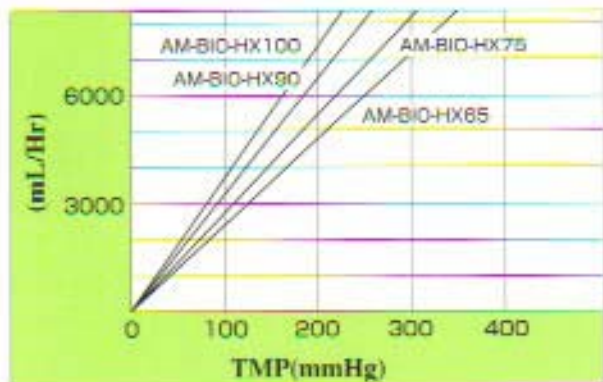


## Sieving coefficient

(in bovine plasma: TP=6g/dL, Qf=10mL/min/m<sup>2</sup>)



## Ultrafiltration rate (Saline)



AM-BIO-HX-65: 24mL/Hr/mmHg  
 AM-BIO-HX-75: 26mL/Hr/mmHg  
 AM-BIO-HX-90: 33mL/Hr/mmHg  
 AM-BIO-HX-100: 37mL/Hr/mmHg

## Clearance in vitro (saline) Condition: TMP=16kPa (120mmHg), Qf=300mL/min

	Qb=200mL/min				Qb=300mL/min				Qb=400mL/min			
	Urea	Creatinine	Phosphate	Vitamin B12	Urea	Creatinine	Phosphate	Vitamin B12	Urea	Creatinine	Phosphate	Vitamin B12
AM-BIO-HX-65	187	167	150	92	244	205	178	101	279	227	193	105
AM-BIO-HX-75	191	174	158	101	254	217	190	112	293	243	208	117
AM-BIO-HX-90	193	181	165	113	260	231	201	127	301	261	223	134
AM-BIO-HX-100	194	185	169	119	263	239	208	134	306	272	231	143

## Specifications

	Hollow fiber		Effective surface area (m <sup>2</sup> )	Priming volume (mL)	Max. TMP	Dimensions (mm(L)×mm(Ø))	Weight (g)	Sterilization
	Inside diameter (µm)	Wall thickness (µm)						
AM-BIO-HX-65	220	15	1.3	90	66kPa (500mmHg)	304×38	380	Gamma-ray
AM-BIO-HX-75			1.5	105		330×38	410	
AM-BIO-HX-90			1.8	125		330×42	490	
AM-BIO-HX-100			2.0	140		330×44	510	

Membrane material: Asahi Biomembrane™

Note: High Permeability devices. Use only with ultrafiltration controlling equipment.



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