

REVACLEAR



Dialyzer Technology

All Dialyzers are
NOT Created Equal.
Designed to clear
maximum uremic
toxins.

Baxter

ALIGN YOUR EXPECTATION WITH EXPERIENCE

REVACLEAR Dialyzer Technology



Three-Layer Membrane¹

- Designed to remove critical uremic toxins such as urea while retaining important proteins like albumin and other similarly-sized molecules.
- In addition to the small molecular weight molecules, the REVACLEAR Dialyzer's membrane removes a large fraction of middle molecules similarly sized to Beta-2 Microglobulin (SC = 0.7, 70%).



Sterilization and Priming¹

- REVACLEAR Dialyzer uses steam sterilization; it is never sterilized by E-beam or EtO.
- At a minimum, 300 mL of saline would be required for priming.



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- The REVACLEAR dialyzer, may potentially save an estimated \$660 per patient annually, through reduced erythropoiesis stimulating agent (ESA) utilization.^{1,2}

REVACLEAR DIALYZER FAMILY

CLINICAL DATA

Clearance *in vitro* (mL/min) +/-10%

	REVACLEAR 300	REVACLEAR 400
Product Code:	114745/114745L	114746/11476L

Hemodialysis										
Q _D =500 mL/min, UF=0 mL/min										
Q _B (mL/min)	200	300	400	500	200	300	400	500	600	
Urea	196	272	323	356	198	281	338	375	401	
Creatinine	191	256	298	326	195	267	315	348	370	
Phosphate	185	242	278	303	191	255	297	326	346	
Vitamin B ₁₂	146	174	191	204	158	191	213	228	240	

Hemodialysis										
Q _D =800 mL/min, UF=0 mL/min										
Q _B (mL/min)	200	300	400	500	200	300	400	500	600	
Urea	199	286	355	408	199	292	369	430	477	
Creatinine	195	273	330	373	198	283	348	398	437	
Phosphate	191	260	309	345	195	272	330	373	406	
Vitamin B ₁₂	155	189	212	228	167	208	236	256	272	

Specifications		
Blood flow rate (mL/min)	200-500	200-600
Dialysate flow (mL/min)	300-800	300-800

Membrane		
Material	PAES/PVP	PAES/PVP
Surface area (m ²)	1.4	1.8
KoA for Urea QB=300ml/min, QD=500ml/min, UF=0ml/min	1186	1438
UF Coefficient in vitro (mL/h.mmHg) (Bovine blood, hematocrit=32%, protein=60 g/l, 37°C)	48	54
Priming volume (mL)	74	93
Residual blood volume (mL)	<1	<1

Fiber Dimensions		
Wall Thickness Membrane (µm)		35
Inner Diameter Hollow Fiber (µm)		190
Maximum TMP (mmHg)		600
Sterilization agent		Steam

Sieving Coefficient <i>in vitro</i> . Typical values measured with REVACLEAR Dialyzer according to EN1283		
Vitamin B ₁₂		1.0
Inulin		1.0
β ₂ -microglobulin		0.7
Albumin		<0.01



For more information visit www.esrddialysis.com,
or contact your Baxter Sales Representative

The REVACLEAR Dialyzer is indicated for treatment of chronic and acute renal failure by hemodialysis.

For single use only.

Rx Only. For safe and proper use of these devices refer to the device *Instructions for Use*.

References

1. Revaclear, Revaclear MAX and Revaclear 300 and 400 Instructions for Use.
2. Sibbel S, Hunt A, Laplante S, Beck W, Gellens M, Brunelli SM. Comparative effectiveness of dialyzers: a longitudinal, propensity score-matched study of incident hemodialysis patients. *ASAIO journal*. Jul 20 2016.