Baxter
Polyflux L
DIALYZER

Polyflux L

DESIGNED FOR:
LFHD (Low flux)

MEMBRANE:
POLYAMIX (PAES/PVP/PA, BPA-free)

THE PROVEN BALANCE OF QUALITY AND PERFORMANCE IN LOW-FLUX

The **Polyflux** L dialyzer series is specialized for low-flux hemodialysis treatments, featuring a distinctive membrane acting as an effective barrier to potential fluid contaminants[1], while still delivering high performance.[2] **Polyflux** L dialyzers are a good choice for proven biocompatible yet effective low-flux therapies, designed with safety in mind.

DESIGNED TO PROMOTE BIOCOMPATIBILITY[2]

The **Polyflux** L dialyzers are designed to deliver high-quality low-flux hemodialysis treatments.

- Since 1988, over 300 million **Polyflux** dialyzers have been used globally[3]
- The **Polyflux** L dialyzers are designed to prevent endotoxins from crossing the dialyzer membrane[1,2]
- The **Polyflux** L dialyzers are steam sterilized inside-out, to promote biocompatibility, avoiding exposure to chemicals such as ethylene oxide and manufacturing residues[4,5]

WITH HIGH PERFORMANCE IN MIND

The **Polyflux** L dialyzers feature an exclusive 3-layered membrane structure, designed to support a stable high performance over time.

- Effective clearance of standard dialysis markers, such as urea or phosphates[6]
- A clinical case series study suggests the **Polyflux** L dialyzers may reduce the signs and symptoms of hemodialysis-associated eosinophilia[7]

Polyflux L Specifications

MATERIALS	POLYFLUX 14 L	POLYFLUX 17 L	POLYFLUX 21 L
Membrane	**Polyamix** Polyarylethersulfone, Polyvinylpyrrolidone and Polyamide blend BPA-free		
Potting	Polyurethane (PUR)		
Housing	Polycarbonate (PC)		
Gaskets	Silicone rubber (SIR)		
Protection caps	Polypropylene (PP)		
Sterilization	Steam (inside-out)		
Sterile barrier	Medical Grade Paper		

SPECIFICATIONS			
UF-Coefficient (mL/(h*mmHg))*	10	12.5	15
KoA urea*	851	1026	1268
Blood Compartment volume (mL)	81	104	123
Minimum recommended priming volume (mL)	500		
Maximum TMP (mmHg)	600		
Recommended Q_B (mL/min)	200-400	200-500	300-500
Storage conditions	<30°C (or <86°F)		
Units per box	24		
Gross/net weight (g)	254/225	274/245	294/265

MEMBRANE			
Effective Membrane Area (m²)	1.4	1.7	2.1
Fiber inner diameter (µm)	215		
Fiber wall thickness (µm)	50		

* According to EN 1283/ISO 8637:
– UF-Coefficient: measured with bovine blood, Hct 32%, Pct 60g/L, 37°C
– KoA urea: calculated at Q_B=300 mL/min, Q_D=500mL/min, UF=0 mL/min
– Clearances In-Vitro: measured at UF=0 mL/min, ±10%

CLEARANCES IN VITRO (mL/min)*	POLYFLUX 14 L	POLYFLUX 17 L	POLYFLUX 21 L
Urea (60 Da) (Q_B-Q_D, mL/min)			
200/500	190	194	
300/500	252	264	275
400/500	293	310	328
500/500		342	364
200/700	194	197	
300/700	267	276	285
400/700	319	336	343
500/700		380	403
Phosphate (95 Da)			
200/500	152	163	
300/500	183	200	218
400/500	203	224	247
500/500		240	267
200/700	160	170	
300/700	197	213	231
400/700	221	242	266
500/700		264	272
Creatinine (113 Da)			
200/500	171	179	
300/500	214	230	246
400/500	241	262	283
500/500		284	310
200/700	178	185	
300/700	229	244	258
400/700	264	284	306
500/700		313	341
Vitamin B12 (1.4 kDa)			
200/500	90	101	
300/500	100	114	131
400/500	106	122	142
500/500		128	149
200/700	96	107	
300/700	107	121	138
400/700	114	130	150
500/700		137	159

1. Schepers E, Glorieux G, Eloot S, et al. *Assessment of the association between increasing membrane pore size and endotoxin permeability using a novel experimental dialysis simulation set up.* BMC Nephrology. 2018; 19:1.
2. Ronco C, et al. *Evolution of synthetic membranes for blood purification: the case of the Polyflux family.* Nephrol Dial Transplant 2003;18(Suppl 7):vii10-20.
3. Baxter. Data on file. *Dialyzers Sales Report*. 2018.
4. Golli-Bennour EE, et al. *Cytotoxic effects exerted by polyarylsulfone dialyser membranes depend on different sterilization processes*. Int Urol Nephrol. 2011; 43:483-490.
5. D'Ambrosio FP, et al. *Ethylene oxide allergy in dialysis patients*. Nephrol Dial 1997;12:1461-1463.
6. Krause B, et al. *Polymeric Membranes for Medical Applications*. Chemie Ingenieur Technik. 2003; 75:1725-1732.
7. Tielemans C, et al. *Clinical assessment of Performance and Blood Compatibility Profile of a New Synthetic Low Flux Hemodialyzer.* Blood Purif. 2002; 20:214-215.

The products meet the applicable provisions of Annex I (Essential Requirements) and Annex II (Full quality assurance system of the Council Directive 93/42/EEC of 14 June 1993, amended by Directive 2007/47/EC)

For safe and proper use of the device, please refer to the Instructions for Use

CE 0086

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