

Prismaflex TPE 1000 and TPE 2000 Sets

Pre-connected sets for
plasmafiltration



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Prismaflex TPE 1000 and TPE 2000 Sets

General Data

	Prismaflex TPE 1000 set	Prismaflex TPE 2000 set
Weight	680 g	760 g
Blood volume in set ± 10 %	71 ml	125 ml
Blood volume in plasmafilter	23 ml ±10%	41 ml ±10%
Minimal patient weight	9 kg	adult
Materials		
Plasmafilter hollow fiber: Polypropylene		
Filter housing and headers: Polycarbonate		
Filter potting compound: Polyurethane		
Tubing material: Plasticized polyvinyl chloride (PVC)		
Cartridge: PETG		
Sterilization mode: EtO (ethylene oxide)		
Filter operating specifications		
Maximum blood flow rate: Prismaflex TPE 1000 set: 180 ml/min Prismaflex TPE 2000 set: 400 ml/min		
Minimum blood flow rate: Prismaflex TPE 1000 set: 50 ml/min Prismaflex TPE 2000 set: 100 ml/min		
Maximum TMPa* (mmHg/kPa):		
	Prismaflex TPE 1000 set	Prismaflex TPE 2000 set
Q _B ** = 50 ml/min	100 mmHg - 13.3 kPa	–
Q _B ** = 100 ml/min	140 mmHg - 18.7 kPa	120 mmHg - 16 kPa
Q _B ** = 180 ml/min	190 mmHg - 25.3 kPa	–
Q _B ** = 200 ml/min	–	171 mmHg - 22.8 kPa
Q _B ** = 250 ml/min	–	193 mmHg - 25.7 kPa
Q _B ** = 400 ml/min	–	246 mmHg - 32.8 kPa
Filter data		
Nominal physical characteristics		
Effective surface area: Prismaflex TPE 1000 set: 0.15 m ² Prismaflex TPE 2000 set: 0.35 m ²		
Fiber internal diameter (wet):		330 µm
Fiber wall thickness:		150 µm

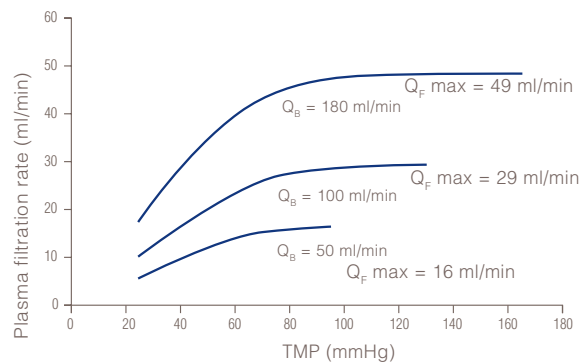
Ordering Information

	Code N°	N° units/box
Prismaflex TPE 1000 set	107143	4
Prismaflex TPE 1000 set CKT	115314	4
Prismaflex TPE 2000 set	107144	4
Prismaflex TPE 2000 set CKT	115315	4

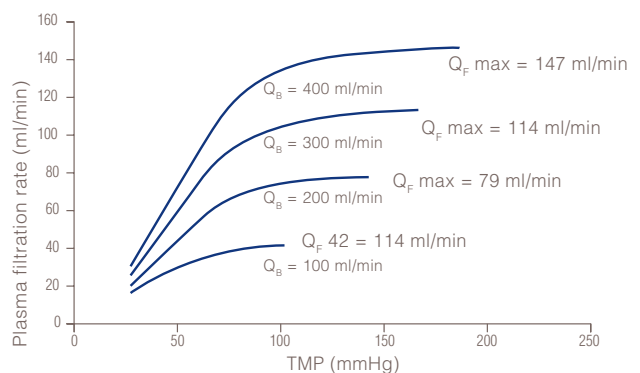
In Vitro Performances

Blood pressure drop ±30%		
(Bovine blood, Htc***32%, Protein concentration 60 g/l, 37°C)		
	Prismaflex TPE 1000 set	Prismaflex TPE 2000 set
Q _B ** = 50 ml/min	14 mmHg - 1.9 kPa	–
Q _B ** = 100 ml/min	29 mmHg - 3.9 kPa	25 mmHg - 3.3 kPa
Q _B ** = 180 ml/min	52 mmHg - 6.9 kPa	–
Q _B ** = 200 ml/min	–	51 mmHg - 6.8 kPa
Q _B ** = 250 ml/min	–	64 mmHg - 8.5 kPa
Q _B ** = 400 ml/min	–	101 mmHg - 13.5 kPa
*Arterial transmembrane pressure **Access blood flow rate ***Hematocrit		
Sieving coefficient		
(In vivo data, 19 treatments) Albumin = 0.97, IgG = 1, Apolipoprotein B = 0.95, IgM = 0.92		
Plasma filtration with blood		
In vitro, values ±20% (Bovine blood at 37°C, Htc 32%, Protein concentration 60 g/l) Plasma filtration is controlled by the Prismaflex system.		

Prismaflex TPE 1000 set



Prismaflex TPE 2000 set



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