

# Therapeutic plasma exchange on Prismaflex

Preconnected sets for pediatrics and adults



Safety: preconnected set with automatic recognition before priming

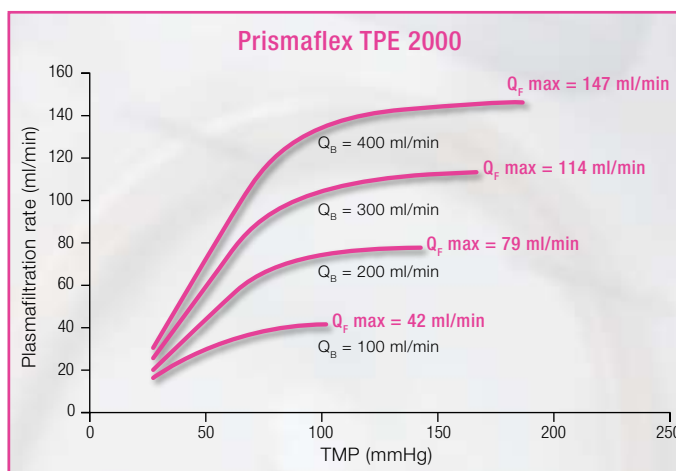
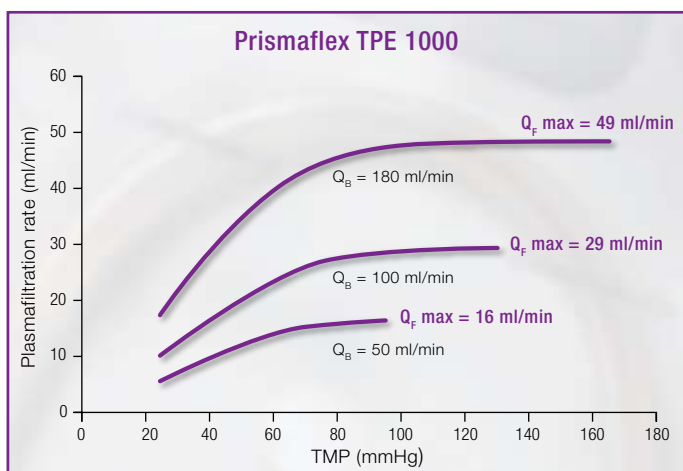
Flexibility: two sizes and geometries of disposables with wide operating ranges



Leading the way

	Prismaflex TPE 1000 set	Prismaflex TPE 2000 set
<b>Product code</b>		
Factory id	8320010	8320020
SAP number	107143	107144
<b>Indication</b>	Patient with body weight > 9 kg	Adult
<b>Volume in set ±10%</b>	71 ml	125 ml
<b>Effective surface area</b>	0.15 m <sup>2</sup>	0.35 m <sup>2</sup>
<b>Fiber membrane material</b>	Polypropylene	Polypropylene
<b>Fiber internal diameter (wet)</b>	330 µm	330 µm
<b>Fiber wall thickness</b>	150 µm	150 µm
<b>Blood volume in plasmafilter</b>	23 ml ± 10%	41 ml ± 10%
<b>Blood pressure drop</b> (bovine blood, Htc***32%, Cp**** 60 g/l, 37°C)	± 30%	± 30%
Q <sub>B</sub> ** = 50 ml/min	14 mmHg - 1.9 kPa	-
Q <sub>B</sub> ** = 100 ml/min	29 mmHg - 3.9 kPa	25 mmHg - 3.3 kPa
Q <sub>B</sub> ** = 180 ml/min	52 mmHg - 6.9 kPa	-
Q <sub>B</sub> ** = 200 ml/min	-	51 mmHg - 6.8 kPa
Q <sub>B</sub> ** = 400 ml/min	-	101 mmHg - 13.5 kPa
<b>Sieving coefficient</b> (in vivo data - 19 treatments)		
Albumin	0.97	0.97
IgG	1	1
Apolipoprotein B	0.95	0.95
IgM	0.92	0.92
<b>Minimum blood flow rate</b>	50 ml/min	100 ml/min
<b>Maximum blood flow rate</b>	180 ml/min	400 ml/min
<b>TMPa* maximum</b> (mmHg - kPa)		
Q <sub>B</sub> ** = 50 ml/min	100 mmHg - 13.3 kPa	-
Q <sub>B</sub> ** = 100 ml/min	140 mmHg - 18.7 kPa	120 mmHg - 16 kPa
Q <sub>B</sub> ** = 180 ml/min	190 mmHg - 25.3 kPa	-
Q <sub>B</sub> ** = 200 ml/min	-	171 mmHg - 28.8 kPa
Q <sub>B</sub> ** = 400 ml/min	-	246 mmHg - 32.8 kPa
<b>In vitro hemolysis rate</b> (bovine blood, Htc 32%, Cp 60 g/l, 37°C)	< 1ml blood/hour	< 1ml blood/hour

\* TMPa = Arterial Transmembrane Pressure = PA-PF - \*\* Q<sub>B</sub>=access blood flow rate - \*\*\* Htc= hematocrit - \*\*\*\* Cp= protein concentration



"in vitro" plasmafiltration with blood (values ±20%)  
(Bovine blood at 37°C, Htc 32%, Protein concentration 60 g/l)  
Plasmafiltration is controlled by the PRISMAFLEX System.

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