Looking for reducing the thrombogenicity of the extracorporeal device?

Envisioned HOSPAL

Prismaflex sets with the AN69ST membrane

ST60 set

ST100 set

ST150 set

Leading the way

GAMBRO®

Prismaflex ST60 set / ST100 set / ST150 set

General data

	Prismaflex ST60 Set	Prismaflex ST100 Set	Prismaflex ST150 Set
Weight	780 g	805 g	905 g
Overall dimensions	27 x 22 x 9 cm	27 x 22 x 9 cm	27 x 22 x 9 cm
Blood volume in set ± 10 %	93 ml	152 ml	189 ml
Minimal patient weight	20 Kg	30 Kg	30 Kg

Materials

- AN69 ST hollow fiber:
  - Acrylonitrile and sodium methallyl sulfonate copolymer
  - Surface treatment agent: Polyethylene imine
- 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 TMP* (mmHg/kPa): 450/60
- Maximum blood pressure (mmHg/kPa): 500/66.6
- Range of blood flow rate:
  Prismaflex ST60 Set: 50 – 180 ml/min
  Prismaflex ST100 Set: 75 – 400 ml/min
  Prismaflex ST150 Set: 100 – 450 ml/min

Filter data

- Nominal physical characteristics
  - Effective surface area:
    Prismaflex ST60 Set: 0.6 m²
    Prismaflex ST100 Set: 1.0 m²
    Prismaflex ST150 Set: 1.5 m²
  - Fiber internal diameter (wet): 240 µm
  - Fiber wall thickness: 50 µm

In vitro performances

- Blood priming volume in filter ±10%,
  TMP = 100 mmHg
  Prismaflex ST60 Set: 44 ml
  Prismaflex ST100 Set: 69 ml
  Prismaflex ST150 Set: 105 ml

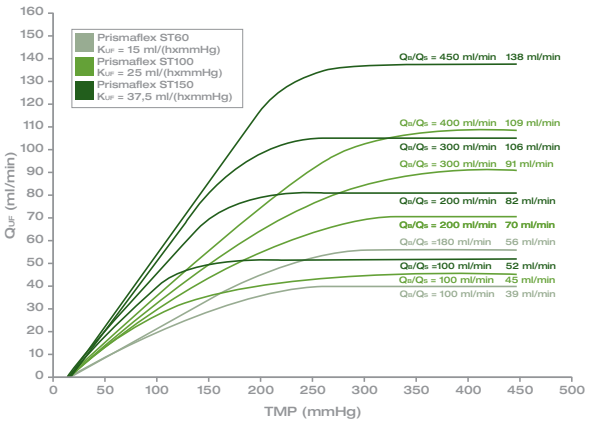
- Blood pressure drop (in post dilution mode)
  (bovine blood, Hematocrit 32%, Pc*** = 60 g/l, T = 37°C)

	Prismaflex ST60 Set	Prismaflex ST100 Set	Prismaflex ST150 Set
Q_B** = 100 ml/min - Q_{UF}**** = 1l/h	46 mmHg	31 mmHg	20 mmHg
Q_B = 180 ml/min - Q_{UF} = 2l/h	84 mmHg	55 mmHg	—
Q_B = 300 ml/min - Q_{UF} = 2l/h	—	79 mmHg	51 mmHg
Q_B = 400 ml/min - Q_{UF} = 2l/h	—	100 mmHg	64 mmHg

- Sieving coefficient
  (bovine plasma, Pc 60 g/l, T = 37°C)
  Urea = 1, Creatinine = 1, Vitamin B12 = 1,
  Inulin = 0.96, Myoglobin = 0.58, Albumin ≤0.01

CVVH Performances

- "In vitro" ultrafiltration with blood (in post-dilution)
  (values ±15%) (Continuous venovenous hemofiltration)
  (Bovine blood at 37°C, Hematocrit 32%, Pc*** 60 g/l).



CVVHD Clearances

- Clearances values inlet dialysate flow rate
  (Continuous venovenous hemodialysis) (Saline, T = 37°C).

	Prismaflex ST60 Set QB** = 100 ml/min QUF**** = 0 ml/min			Prismaflex ST100 Set QB** = 150 ml/min QUF**** = 0 ml/min				Prismaflex ST150 Set QB** = 200 ml/min QUF**** = 0 ml/min			
QD l/h ml/min	1 17	2.5 42	4 67	1 17	2.5 42	4 67	8 133	1 17	2.5 42	4 67	8 133
Urea (±10%)	17	40	56	17	41	63	97	17	42	66	117
Vitamin B12 (±20%)	15	26	30	16	32	41	50	17	38	51	68
Inulin (±20%)	13	19	22	15	26	30	35	16	33	40	49

*Transmembrane pressure. **Access blood flow rate.
***Protein concentration. ****Ultrafiltration flow rate (1).
(1)The ultrafiltration flow rate is the "patient fluid removal flow rate + replacement flow rate + pre-blood-pump flow rate".

Ordering information

	Factory ID	Code N°	N° units/box
PRISMAFLEX ST60 Set	8353551	107643	4
PRISMAFLEX ST100 Set	8353562	107636	4
PRISMAFLEX ST150 Set	8353573	107640	4
SP414 - 5-liter bag	6032957	106690	50
SP418 - 9-liter bag	6033765	107650	30

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