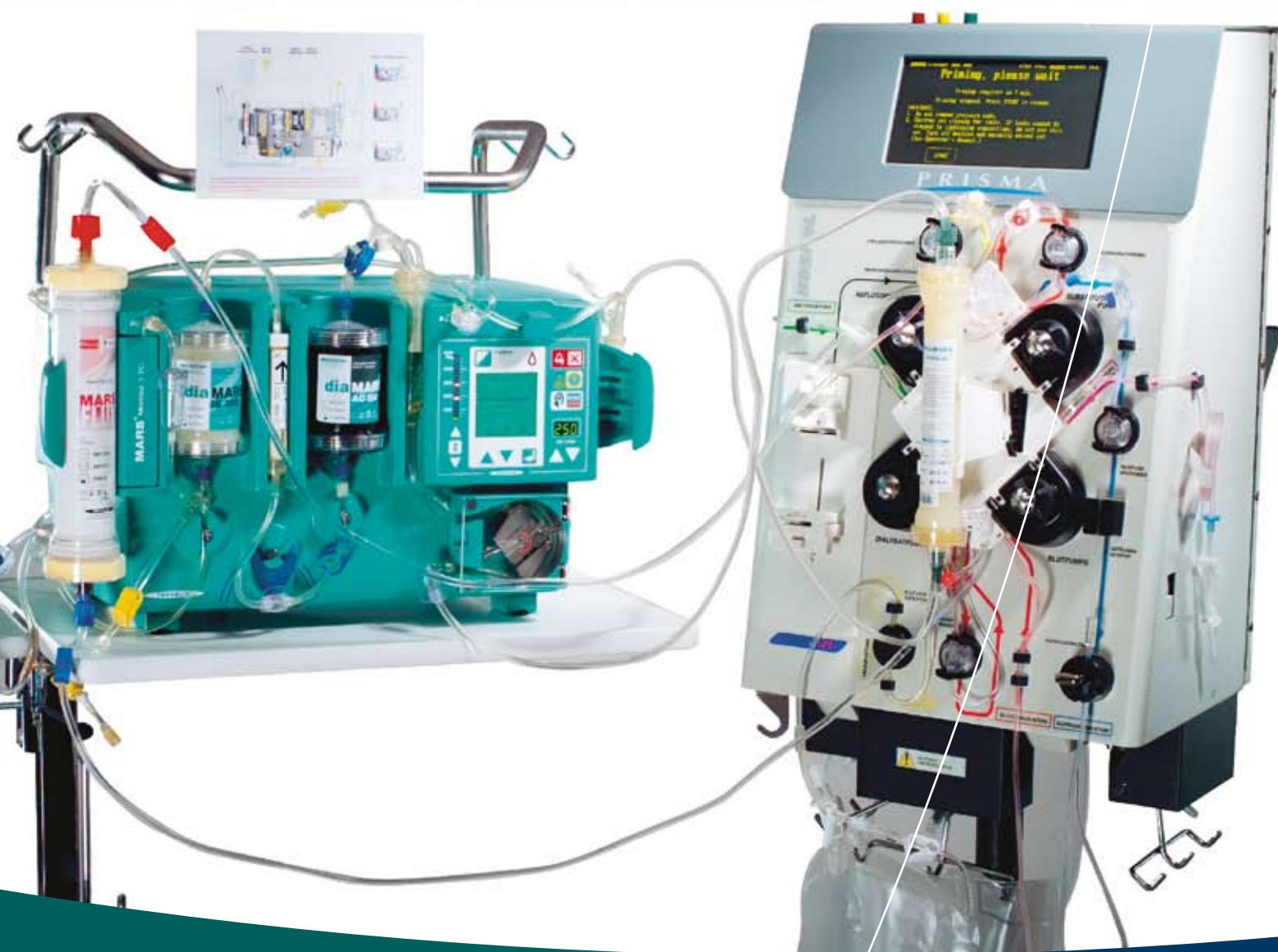


MARS® treatment kit type 1115/1 – PrisMARS



MARS® Molecular Adsorbents
Recirculating System

Leading the way

 **GAMBRO®**

DATA SHEET MARS TREATMENT KIT TYPE 1115/1 – PrisMARS	
Material Number	800390
Compatibility	MARS® Monitor 1 TC in combination with the PRISMA
Extracorporeal bloodvolume	total 223 ml = 42 ml (PRISMA tubes) + 152 ml (MARS® FLUX 2.1) + 29 ml (2 x extensions)

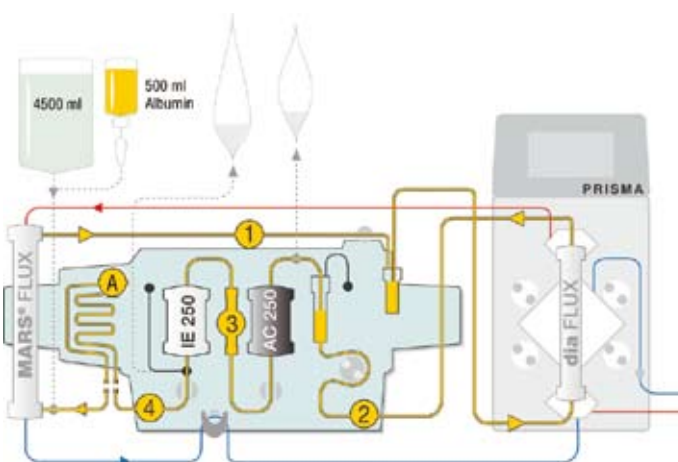
MARS® FLUX 2.1	
High Flux dialyzer especially suited for removing protein-bound toxins from the patient's blood by means of an human serum albumin (HSA) dialysate.	
Effective surface area	2,1 m ²
Priming Volume	152 ml
Volume HSA dialysate side	125 ml
Performance data (according to EN 1283) Clearance (HD) Q _B = 200 ml/min, Q _D = 500 ml/min, UF = 0 ml/min, +/-20 %	
Urea	195 ml/min
Creatinine	187 ml/min
Vitamine B12	149 ml/min
Ultrafiltration rate in vitro Measured using bovine blood	
at Q _B = 300 ml/min, TMP = 200 mmHg	133 ml/min
at Q _B = 500 ml/min, TMP = 200 mmHg	180 ml/min
UF-coefficient in vitro	83 ml/h*mmHg
Sieving coefficients (according to EN 1283) +/-20% Measured using bovine blood at Q _B = 300 ml/min	
Inulin	0,99
β2-Microglobulin	0,63
Albumin	< 0,01
Connections Dialysate and blood connectors according to EN 1283	

diaFLUX 1.4	
Low Flux dialyzer to be used to remove water-soluble toxins from the human serum albumin (HSA) dialysate of the MARS® circuit.	
Effective surface area	1,4 m ²
Performance data (according to EN 1283) In vitro clearance specifications Co-current, saline 37°C, Q _B = 200 ml/min, Q _D = 1000 ml/h, UF = 0 ml/min, +/-20%	
Urea	15 ml/min
Vitamin B12	15 ml/min
Inulin	14 ml/min
Sieving coefficients – typical values (according to EN1283) Bovine plasma, protein content 60 g/l, 37°C, Q _B = 200ml/min, UF = 20 ml/min	
Urea, Creatinine, Vitamin B12, Inulin	1
Albumin	< 0,01
Water permeability	16 ml/(h*mmHg*m ²)
Max. transmembrane pressure	600 mmHg
Connections to MARS® FLUX 2.1	according to EN 1283
Others	Luer; ISO 594 1/2

Adsorber cartridges	
diaMARS® AC250	This adsorber cartridge is filled with vapor-activated carbon, to be used to clean the HSA dialysate in the MARS® circuit. The carbon is uncoated and especially suited for elimination of low-molecular, non-polar compounds, such as aromatic polycyclic hydrocarbons or fatty acids.
diaMARS® IE250	This adsorber cartridge is filled with an anion-exchanger resin, to be used to clean the HSA dialysate in the MARS® circuit. This cartridge is especially suited for eliminating anionic molecules, such as bilirubin.

Sterilization	MARS® FLUX 2.1	steam
	PrisMARS Kit	EtO
	Adsorber	moist heat
	Tube Kit	gamma
Storage conditions	between 8° and 27°C	
Weight and packaging	3,2 kg, 430 x 250 x 340 mm (W x H x D)	
Dialysate MARS® circuit*	500 ml with 20 % (or 400 ml with 25 %) human serum albumin (HSA)* (according to the latest edition of the European Pharmacopeia, monograph 255: albumin solution from human)	
Dialysate PRISMA*	Lactate or bicarbonate solution (according to the latest edition of the European Pharmacopeia, monograph 128: hemodialysis solutions)	
Rinsing volumes	blood + dialysate circuit 2 l MARS® circuit 4,5 l	
Rinsing solutions MARS® circuit*	0,9 % NaCl solution or lactat solution for haemofiltration or bicarbonat solution for haemofiltration	
Kit components	<ul style="list-style-type: none"> - MARS® FLUX 2.1 - PrisMARS Kit (diaFLUX filter) - Adsorber cartridges - diaMARS® AC250 <li style="padding-left: 20px;">- diaMARS® IE250 - Tube Kit AS-02 (units 1 – 4, Accessories incl. heating bag (A)) - 2 x Adapter Kit 002 - Manual 	

*not included in the Kit



HCEN2961 © 2005, Gambro Lundia AB, Rev 1. OMF 4-10-2_3