

MARS® treatment kit type 1412/1 – MARSmini



MARS® Molecular Adsorbents
Recirculating System

Leading the way

 **GAMBRO®**

DATA SHEET MARS TREATMENT KIT TYPE 1412/1 – MARSmini	
Material Number	800326
Compatibility	MARS® Monitor 1 TC in combination with standard dialysis machines and CRRT-devices. For further information please contact mars.therapy@gambro.com
Extracorporeal bloodvolume	MARS® FLUX 0.6 57 ml + blood lines

MARS® FLUX 0.6	
High Flux dialyzer especially suited for removing protein-bound toxins from the patient's blood by means of an HSA dialysate.	
Effective surface area	0,6 m ²
Priming Volume	57 ml
Volume albumin solution side	40 ml
Performance data (according to EN 1283) Clearance (HD) Q _B = 100 ml/min, Q _D = 30 ml/min, UF = 5 ml/min, +/- 20 %	
Urea	34 ml/min
Vitamine B12	25 ml/min
Ultrafiltration rate in vitro Measured using bovine blood	
at Q _B = 100 ml/min, TMP = 200 mmHg	37–45 ml/min
at Q _B = 300 ml/min, TMP = 200 mmHg	67–81 ml/min
Sieving coefficients (according to EN 1283) Measured using bovine plasma (total protein 60 g/l) at Q _B = 300 ml/min, UF 60 ml/min; +/- 20%	
Inulin	0,99
β2-Microglobulin	0,63
HSA	< 0,01
Max. transmembrane pressure	600 mmHg
Connections Dialysate and blood connectors according to EN 1283	

diaFLUX 1.8	
Low Flux dialyzer to be used to remove water-soluble toxins from the HSA dialysate of the MARS® circuit.	
Effective surface area	1,7 m ²
Performance data (according to EN 1283) Clearance (HD) Q _B = 200 ml/min, Q _D = 500 ml/min, UF = 0 ml/min; +/- 10%	
Urea	190 ml/min
Vitamin B12	96 ml/min
UF-coefficient in vitro with bovine blood	11,3 ml/h, mmHg
Max. transmembrane pressure	600 mmHg
Connections to MARS® FLUX 0.6	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 0,6	steam
	diaFLUX 1.8	steam
	Adsorber	stream
	Tube Kit	gamma
Storage conditions	between 8° and 27°C	
Weight and packaging	2,8 kg; 365 x 220 x 305 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 dialysis machines*	Lactate or bicarbonate solution (according to the latest edition of the European Pharmacopeia, monograph 128: hemodialysis solutions)	
Rinsing volumes	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 0,6 - diaFLUX 1.8 - Adsorber cartridges - diaMARS® AC250 - diaMARS® IE250 - Tube Kit AS-02 (units 1– 4, Accessories incl. Heating bag (A)) - 2 x Adapter test 002 for blood line extension (if required) - Manual 	

*not included in the Kit

