



Prometheus®
Therapy system for the support
of liver function
Product range





Fresenius Medical Care

Fresenius Medical Care Deutschland GmbH · 61346 Bad Homburg v. d. H. · Germany · Phone: +49 (0) 61 72-609-0 · Fax: +49 (0) 61 72-609-2191
Head office: Else-Kröner-Straße 1 · 61352 Bad Homburg v. d. H.

www.fmc-ag.com

Content

Liver therapy	3
Machines	4
Prometheus® therapy sets	5
Disposables to be ordered separately	6
Dialysis accessories	7

Prometheus® – Liver therapy

Supporting liver function by means of adsorption and dialysis

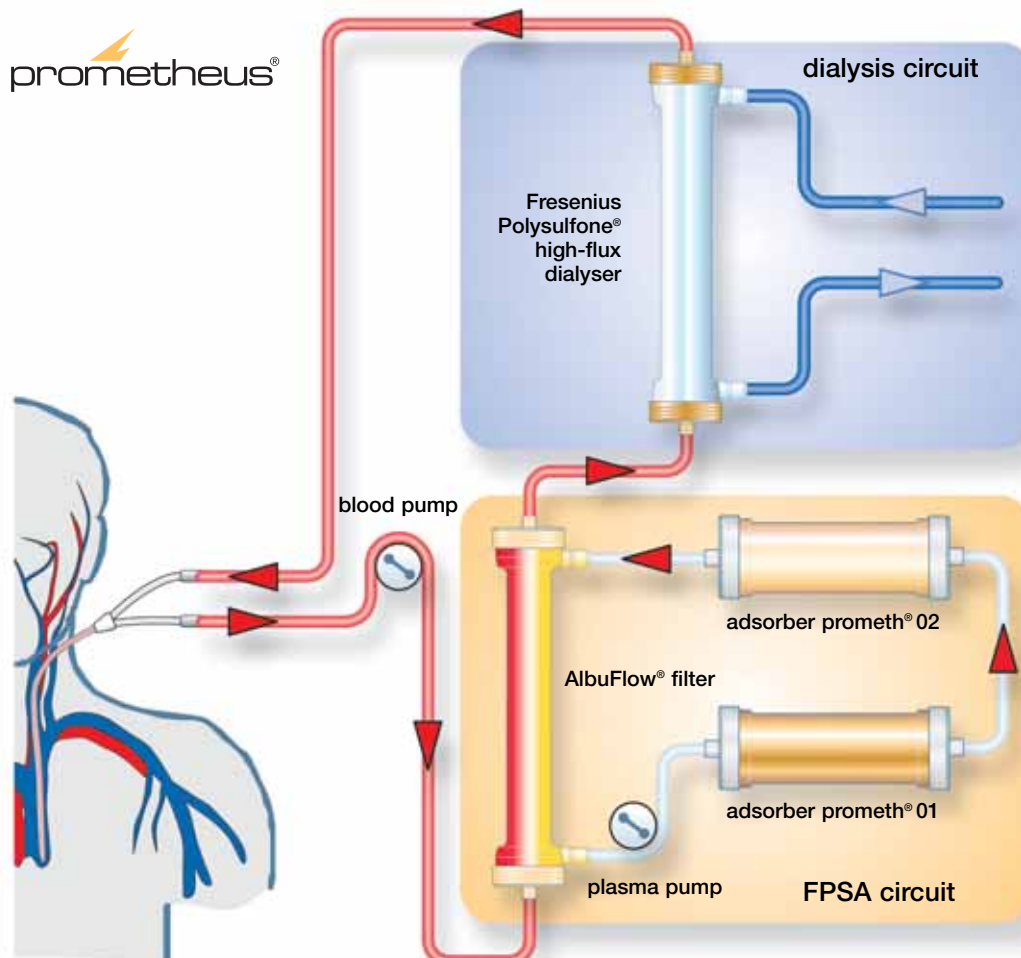
Multiple solutes accumulate in blood as the excretory and metabolic function of the failing liver declines. Many of these substances play a critical role in the pathophysiology of hepatic failure. A significant proportion of these toxins are albumin-bound, another proportion comprises of water-soluble substances of low- and middle molecular weight.

Thus, a combination of direct adsorption of albumin-bound toxins to an adsorber and the removal of water-soluble toxins by high-flux dialysis is the most effective method to deplete the hepatic failure patient of toxic waste products. This combination therapy is provided by the Prometheus® system relieving the liver and enabling a regeneration of the liver cells.

The Prometheus® machine can be used either for extracorporeal liver support therapy or for conventional dialysis alone.

The Prometheus® machine allows anticoagulation with heparin or with citrate/calcium, respectively.

An albumin filter (AlbuFlow® AF 01), a neutral resin adsorber (prometh® 01), an adsorber for anion exchange (prometh® 02) and a Fresenius Polysulfone® high-flux dialyser with the corresponding tubing system are required for one liver treatment.



Prometheus® – Machine

The Prometheus® machine is available in two versions

Machine equipment with heparin module for

- extracorporeal liver support therapy with heparin anticoagulation and
- haemodialysis with heparin anticoagulation



Prometheus® machine with heparin module

The image shows a tall, white medical machine on wheels. It has a control panel at the top with a screen and several buttons. Below the control panel, there are two large, circular dialysis filters. The machine is equipped with various tubes and connectors. A red box highlights the heparin module area.

Machine equipment with citrate/calcium module for

- extracorporeal liver support with citrate/calcium anticoagulation and
- haemodialysis with citrate/calcium anticoagulation



Prometheus® machine with CiCa module

The image shows a tall, white medical machine on wheels, similar to the one above. It has a control panel at the top with a screen and several buttons. Below the control panel, there are two large, circular dialysis filters. The machine is equipped with various tubes and connectors. A green box highlights the CiCa module area.

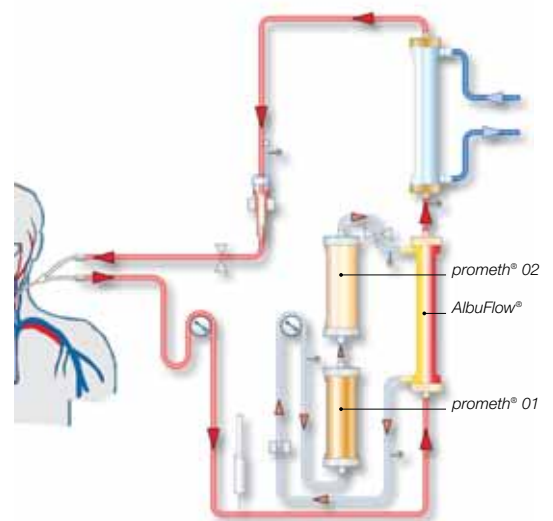
Prometheus® – therapy sets

Prometheus® therapy sets make purchasing easier

Therapy sets are available for both treatment modalities – Prometheus® with heparin anticoagulation and Prometheus® with citrate anticoagulation. These contain all necessary disposables, except for the dialyser.

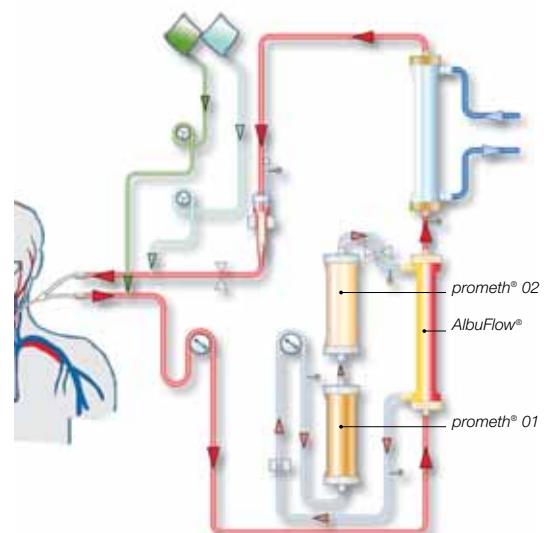
Prometheus® therapy set heparin

Article	Description	Art.-No. 505 600 1
AlbuFlow® AF 01	Albumin filter, Fresenius Polysulfone® 1.0 m ² surface area, steam sterilized	
prometh® 01	Adsorber, synthetic resin, neutral, steam sterilized	
prometh® 02	Adsorber, synthetic resin, anion exchanger, steam sterilized	
Prometheus® heparin primary circuit (blood)	Arterial and venous tubing system for liver support therapy	
Prometheus® secondary circuit (plasma)	Plasma tubing system for the adsorption circuit	
Prometheus® plasma reinfusion tubing	For returning patient plasma	
DALI Y-connector	Luer-Lock; 2 male, 1 female	



Prometheus® therapy set citrate

Article	Description	Art.-No. 505 601 1
AlbuFlow® AF 01	Albumin filter, Fresenius Polysulfone® membrane, 1.0 m ² surface area, steam sterilized	
prometh® 01	Adsorber, synthetic resin, neutral steam sterilized	
prometh® 02	Adsorber, synthetic resin, anion exchanger steam sterilized	
Prometheus® citrate primary circuit (blood)	Arterial and venous tubing system for liver support therapy.	
Prometheus® secondary circuit (plasma)	Plasma tubing system for the adsorption circuit	
Prometheus® plasma reinfusion tubing	For returning patient plasma	
DALI Y-connector	Luer-Lock; 2 male, 1 female	



Prometheus® – Disposables to be ordered separately

Filter, adsorber, tubing system and dialyser			
Product	Description	Unit / Package	Art.-No.
AlbuFlow® AF 01	Albumin filter, Fresenius Polysulfone® membrane, 1.0 m ² surface area, steam sterilized	1	500 899 1
prometh® 01	Adsorber, synthetic resin, neutral, steam sterilized	1	500 889 1
prometh® 02	Adsorber, synthetic resin, anion exchanger, steam sterilized	1	500 887 1
Dialyser F 60S	High-flux dialyser, Fresenius Polysulfone® membrane, 1.3 m ² surface area, steam sterilized	12	500 716 1
Prometheus® Heparin Primary circuit (blood)	Arterial and venous tubing system for liver support therapy with heparin anticoagulation	5	501 778 1
Prometheus® Citrate Primary circuit (blood)	Arterial and venous tubing system for liver support therapy with citrate/calcium anticoagulation	5	501 777 1
Prometheus® Secondary Circuit	Secondary circuit (plasma) and reinfusion line	5	501 776 1
Prometheus® Citrate Dialysis	Arterial and venous blood tubing system for haemodialysis with citrate/calcium anticoagulation	10	501 719 1



AlbuFlow® AF 01, prometh® 01 and prometh® 02

Prometheus® – Dialysis accessories

Accessories			
Product	Description	Unit / Package	Art.-No.
Spike	For the connection of saline bags with spike connection	100	501 592 1
Dialyser exchange set	Filter exchange set for dialysers or AlbuFlow®	75	501 800 1
Heparin syringe 30 mL	Luer-Lock, latex-free	100	503 032 1
Heparin syringe 50 mL	Luer-Lock, latex-free	50	900 071 1
Isotonic saline	NaCl 0.9% 1000 mL	10	131 866 4
HD acid concentrate SK-F ...*1 (1+34)	Haemodialysis acid concentrate, see separate product brochure Dialysis solutions , dilution 1 + 34	1 (10 L)	*3
HD acid concentrate AC-F ...*2 (1+44)	Haemodialysis acid concentrate, see separate product brochure Dialysis solutions , dilution 1 + 44	1 (4.7 L)	*3
HD acid concentrate AC-F 219/0 (1+44)	Calcium-free , Haemodialysis acid concentrate for citrate/calcium anticoagulation, dilution 1 + 44	1 (4.7 L)	562 163 1
HD acid concentrate SK-F 219/0 (1+34)	Calcium-free , Haemodialysis acid concentrate for citrate/calcium anticoagulation, dilution 1 + 34	1 (10 L)	709 662 1
Bicarbonate concentrate	Bicarbonate concentrate 8.4 %, 10 litre	1 (10 L)	249 963 1
DIASAFE®plus	Dialysis fluid filter, surface area 2.2 m ²	1	500 820 1
Diasteril®	Hot disinfectant based on hydroxy acetic acid	1 (6 L)	*4
pH indicator	Test paper for inspection of Diasteril® disinfectant residuals	100	628 816 1
Puristeril 340®	Cold disinfectant	1 (6 L)	508 551 1
Potassium iodide starch paper	Test paper for inspection of Puristeril 340® disinfectant residuals	6 x 100	508 521 3
Citrosteril®	Hot disinfectant	1 (5 L)	508 535 1
Fresenius ClearSurf™	Disinfectant for surfaces	6 x 2 L	*5
Measuring cup for (ClearSurf™)	Measuring cup for manual dosage of ClearSurf™	1	603 062 1
Dosage pump for (ClearSurf™)	Pump for automatic dosage of ClearSurf™	1	603 063 1

*1 Please give SK-F number

*2 Please give AC-F number

*3 Please give article number

*4 Please give country dependant article number Diasteril

GB, I, E, P, F, GR: 508 565 1

RU, SK, RO, PL, CZ, GB 508 566 1

*5 Please give country dependant article number for ClearSurf

F, NL, I, 508 569 1

GB, E, P, SLO 508 573 1

S, DK, CZ, SK 508 577 1

GR, H, HR, TK 508 578 1

RUS, PL, RO, BG 508 579 1