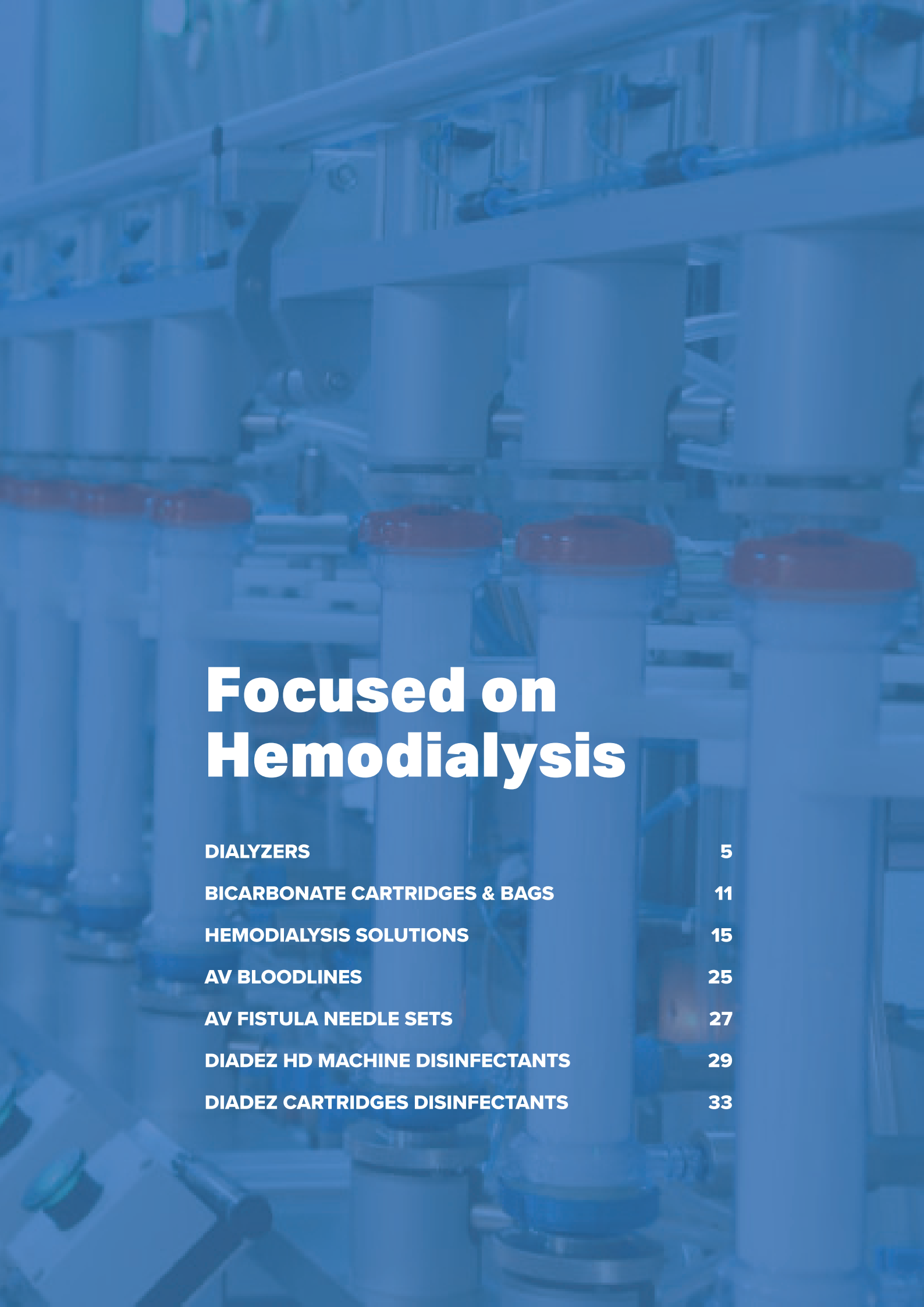




Product Catalogue





Focused on Hemodialysis

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FARMASOL

The company

Focused on Hemodialysis

"The patient comes first! We support and stand by the healthcare professionals in the widest sense to provide the highest quality treatment for the patient."

Farmasol is a dialysis XPRT and manufacturer of Hemodialysis products. As one of the few companies, Farmasol produces almost all hemodialysis consumables compatible with the most widely used hemodialysis machines worldwide. As a Turkish company, Farmasol is perfectly located between Europe and Asia and has a strong presence in Middle-East and Africa. Thanks to its single focus on hemodialysis, customer-orientated approach and know-how, Farmasol is a reference in the market.

We are a family owned company. The DNA of a family-owned company, plays an important role in the way we operate. At Farmasol and PMG, the patients and the healthcare providers (our customers) come first! We support healthcare professionals with a dedicated team of R&D, production, quality management but also application specialists, technicians, product managers and local sales. As experienced Medical XPRTS, we are therefore firmly committed to solid long-term relationships with our customers as well as with our suppliers.





Dialyzers



Bicarbonates



Hemodialysis
Solutions



Machine
Disinfectants



Diarenneedle
Arterio Venous



Diadez
Cartridges

FARMASOL

Production

High Quality Consumables for Hemodialysis

"Kidneys have a vital role in the body. With specialised knowhow and the urge to excel, we contribute to the best possible quality of life for dialysis patients."

Farmasol produces a wide range of products for dialysis patients. We manufacture in two state-of-the-art production facilities, a focus on R&D and very strict selection conditions of our raw materials with respect for the environment. Farmasol completely unburdens its customers: from the product concept to the final solution and in terms of quality, packaging, and delivery.

Part of Pollet Medical Group

Offering Medical Excellence

Pollet Medical Group, part of Pollet Group, a 100% family owned Belgian company. Pollet Medical Group is active in three domains: dialysis, plasmapheresis and sterilisation services. The DNA of a family-owned company, plays an important role in the way PMG operates. At PMG, the customer comes first! We support healthcare professionals with dedicated teams of application specialists, technicians, product managers and local sales. As experienced Medical XPRTS, we are therefore firmly committed to solid long-term relationships with our customers as well as with our suppliers.

01

Dialyzers

HIGH FLUX

LOW FLUX



DIALYZERS

Purifier High-Flux Dialyzer

Purifier H synthetic
high-flux dialysers



A member of Purifier Family, proven clinical record, renowned biocompatibility. The capillaries are made of new technology 3M™ Membrana™ PUREMA™ Polyethersulfone membranes. Clinical studiew proved outstanding performance of Purifier High-Flux Dialyzers thanks to its new technology Polyethersulfone membrane structure.

- + Excellent and stable clearances throughout the treatment
- + Significantly enhanced LMW protein removal
- + Low albumin loss
- + Excellent biocompatibility of advanced synthetic membrane significantly lower complement generation
- + Steeper sieving profile
- + Gamma sterile
- + Caps on dialysate ports help prevent contamination
- + Wide range of sizes to better match performance to patient needs

Technical performances

	Clearances in vitro (mL/min)				
	Urea	Creatinine	Phosphate	Vitamin B ₁₂	Inulin
Q_b (mL/min)	300	300	300	300	300
Q_d (mL/min)	500	500	500	500	500
Purifier H 120	252	220	210	140	90
Purifier H 140	260	230	221	151	102
Purifier H 160	267	240	230	161	117
Purifier H 180	273	248	238	170	122
Purifier H 200	279	256	245	177	131



Technical specifications

	H 120	H 140	H 160	H 180	H 200
Effective Membrane Area (m ²)	1,2	1,4	1,6	1,8	2,0
Priming Volume (m/L)	67	74	87	96	108
UF Coefficient (ML/h/mmHg)	52	58	67	75	84
KoA Urea (Q _b 300 ml/min, Q _d 500 ml/min.)	849	961	1083	1214	1382
Membrane material	3M™ Membrana™ PUREMA™ Polyethersulfone				
Sterilisation	Gamma rays				
Max. TMP	600 mmHg				
Wall thickness	30 µm				
Inner diameter	200 µm				
Sieving coefficient B2-Microglobulin	0,8				
Albumin	0,002				

- + Specifications & performance data at clearance in vitro (ml/min)
Q_b = 300 ml/min, Q_d = 500 ml/min, Q_f = 0 ml/min, T = 37 °C
- + KUF measurement using bovine / human blood (Hct % 32; Protein 60 g/L)
- + Performance data were measured in vitro according to standard ISO 8637-1

DIALYZERS

Purifier Low-Flux Dialyzer

Efficient Purifier L for low-flux therapies



Purifier Low-flux dialyzers provides an excellent low flux therapy. The capillaries are made based upon German technology. Its outstanding 3M™ Membrana™ PUREMA™ Polyethersulfon membrane provides optimum clearance value and stability. Thanks to its new technology inherently hydrophilic membrane structure, risk of micro inflammation and thrombogenic possibilities are minimized.

- + Advanced Polyethersulfone membrane delivers excellent clearances
- + Urea clearance on high level
- + Improved performance concerning creatinine, phosphate, vitaminB12 clearance
- + Excellent biocompatibility of advanced synthetic membrane
- + Oxygen-free gamma sterilization maintains membrane integrity
- + Caps on dialysate ports help prevent contamination
- + Wide range of sizes to better match performance to patient needs
- + High end low flux membrane/ one of the best Low flux dialyzers in the market

Technical performances

	Clearances in vitro (mL/min)			
	Urea	Creatinine	Phosphate	Vitamin B ₁₂
Q _b (mL/min)	300	300	300	300
Q _d (mL/min)	500	500	500	500
Purifier L 120	245	226	188	116
Purifier L 140	250	235	198	130
Purifier L 160	255	241	206	142
Purifier L 180	260	248	213	153
Purifier L 200	264	254	220	162



Technical specifications

	L 120	L 140	L 160	L 180	L 200
Effective Membrane Area (m ²)	1,2	1,4	1,6	1,8	2,0
Priming Volume (m/L)	65	78	86	98	107
UF Coefficient (Ml/h/mmHg)	16	19	21	24	26
KoA Urea (Q _b 300 ml/min, Q _d 500 ml/min.)	767	824	888	961	1027
Membrane material	Purema® Polyethersulfone				
Housing material / Potting compound	Polycarbonate / Polyurethane				
Sterilisation	Gamma rays				
Max. TMP	600 mmHg				
Wall thickness	35 µm				
Inner diameter	200 µm				

- + Specifications & performance data at clearance in vitro (ml/min)
Q_b = 300 ml/min, Q_d = 500 ml/min, Q_f = 0 ml/min, T=37 °C
- + KUF measurement using bovine / human blood (Hct % 32; Protein 60 g/L)
- + Performance data were measured in vitro according to standard ISO 8637-1

02

Bicarbonate cartridges & bags

FARMACART SODIUM BICARBONATE CARTRIDGE

FARMACART SODIUM BICARBONATE BAG



BICARBONATE CARTRIDGES & BAGS

Farmacart Cartridge Bicarbonate

Cartridge bicarbonate with sodium bicarbonate for hemodialysis



Powder for hemodialysis is a practical alternative to liquid basic bicarbonate hemodialysis solution 8.4 %.

- + One filter at the cartridge inlet and one filter at the outlet port respectively
- + For GAMBRO, NIKKISO, NIPRO, B.BRAUN and other compatible machines
- + Cartridge housing of an environmental material (Polypropylene)
- + Available in various sized cartridges containing 550.-650.-720. and 760gms., granulated, free-flow Sodium Bicarbonate powder, BP/EP
- + Minimum storage space
- + External caps available – top and bottom – which provide protection eliminating the risk of contamination and bacteria

Technical data

	Ingredients	Quantity per cartridge	Quantity per box
FARMA-CART B 400	NaHCO ₃	400 gr	10
FARMA-CART B 450		450 gr	
FARMA-CART B 500		500 gr	
FARMA-CART B 550		550 gr	
FARMA-CART B 600		600 gr	
FARMA-CART B 650		650 gr	
FARMA-CART B 700		700 gr	
FARMA-CART B 720		720 gr	
FARMA-CART B 750		750 gr	
FARMA-CART B 760		760 gr	
FARMA-CART B 800		800 gr	
FARMA-CART B 840		840 gr	
FARMA-CART B 850		850 gr	
FARMA-CART B 900		900 gr	
FARMA-CART B 920		920 gr	

BICARBONATE CARTRIDGES & BAGS

Farmacart Sodium Bag B

Farmacart Bag Cartridge bicarbonate with sodium bicarbonate for hemodialysis



Powder for hemodialysis is a practical alternative to liquid basic bicarbonate hemodialysis solution 8.4 %.

- + Easy-to-use by minimal product weight
- + Less storage volume
- + Sodium hydrogen carbonate powder complies with the EP, USP, BP
- + Can be used with Fresenius dialysis machines
- + Shelf life: 36 months
- + Individually packed in transparent bags as a quality measurement

Technical data

	Ingredients	Quantity per cartridge	Quantity per box
FARMA-CART B 400	NaHCO ₃	400 gr	10
FARMA-CART B 450		450 gr	
FARMA-CART B 600		600 gr	
FARMA-CART B 650		650 gr	
FARMA-CART B 720		720 gr	
FARMA-CART B 750		750 gr	
FARMA-CART B 760		760 gr	
FARMA-CART B 800		800 gr	
FARMA-CART B 840		840 gr	
FARMA-CART B 900		900 gr	
FARMA-CART B 920		920 gr	

03

Hemodialysis Solutions

DIASOL BICARBONATE CONCENTRATES (1/34)

DIASOL BICARBONATE CONCENTRATES (1/44)



HEMODIALYSIS SOLUTIONS

Diasol Acid Hemodialysis Solution with Acetate



Formulation information

Product code of Acidic Hemodialysis Solutions	Acidic Hemodialysis Solutions	Dilution rate	Na ⁺ mmol/L	K ⁺ mmol/L	Ca ⁺² mmol/L	Mg ⁺² mmol/L	Cl ⁻ mmol/L	Ac ⁻ mmol/L	HCO ₃ ⁻ mmol/L	Glucose g/L
DIASOL Na138 K2G Ca1.25	Diasol B35 Basic Bicarbonate Hemodialysis solutions or Farmacart Cartridge Bicarbonates (8.4% bicarbonate concentrate)	1/34	138	2	1,25	0,5	108,50	3,00	32	1
DIASOL Na138 K2G Ca1.50		1/34	138	2	1,50	0,5	109,00	3,00	32	1
DIASOL K2 Ca1.5 Ac3		1/34	138	2	1,50	0,5	109,00	3,00	32	/
DIASOL Na138 K3G Ca1.25		1/34	138	3	1,25	0,5	109,50	3,00	32	1
DIASOL Na138 Ac3		1/34	138	3	1,50	0,5	110,00	3,00	32	/
DIASOL Na138 K3G Ca1.50		1/34	138	3	1,50	0,5	110,00	3,00	32	1
DIASOL K1 Ca1.25 Ac3		1/34	140	1	1,25	0,5	109,50	3,00	32	/
DIASOL K1G Ca1.25 Ac3		1/34	140	1	1,25	0,5	109,50	3,00	32	1
DIASOL K1 Ca1.5 Ac3		1/34	140	1	1,50	0,5	110,00	3,00	32	/
DIASOL K1G Ca1.5 Ac3		1/34	140	1	1,50	0,5	110,00	3,00	32	1
DIASOL K1 Ca1.75 Ac3		1/34	140	1	1,75	0,5	110,50	3,00	32	/
DIASOL K1G Ca1.75 Ac3		1/34	140	1	1,75	0,5	110,50	3,00	32	1
DIASOL K2 Ca1.25 Ac3		1/34	140	2	1,25	0,5	110,50	3,00	32	/
DIASOL K2G Ca1.25 Ac3		1/34	140	2	1,25	0,5	110,50	3,00	32	1
DIASOL Na140 Ac3		1/34	140	2	1,50	0,5	111,00	3,00	32	/
DIASOL K2G Ca1.5 Ac3		1/34	140	2	1,50	0,5	111,00	3,00	32	1
DIASOL K2 Ca1.75 Ac3		1/34	140	2	1,75	0,5	111,50	3,00	32	/
DIASOL K2G Ca1.75 Ac3		1/34	140	2	1,75	0,5	111,50	3,00	32	1
DIASOL K3 Ca1.25 Ac3		1/34	140	3	1,25	0,5	111,50	3,00	32	/
DIASOL K3G Ca1.25 Ac3		1/34	140	3	1,25	0,5	111,50	3,00	32	1
DIASOL K3 Ca1.5 Ac3		1/34	140	3	1,50	0,5	112,00	3,00	32	/
DIASOL K3G Ca1.5 Ac3		1/34	140	3	1,50	0,5	112,00	3,00	32	1
DIASOL K3 Ca1.75 Ac3		1/34	140	3	1,75	0,5	112,50	3,00	32	/
DIASOL K3G Ca1.75 Ac3		1/34	140	3	1,75	0,5	112,50	3,00	32	1

Dilution rate: 1L Acidic Hemodialysis Solutions, 1,225L Basic Bicarbonate 32,775 Purified water

Product code of Acidic Hemodialysis Solutions	Acidic Hemodialysis Solutions	Dilution rate	Formulation information							
			Na ⁺ mmol/L	K ⁺ mmol/L	Ca ⁺² mmol/L	Mg ⁺² mmol/L	Cl ⁻ mmol/L	Ac ⁻ mmol/L	HCO ₃ ⁻ mmol/L	Glucose g/L
DIASOL C45001	Diasal B35 Basic Bicarbonate Hemodialysis solutions or Farmacart Cartridge Bicarbonates (8.4% bicarbonate concentrate)	1/44	138	1	1,25	0,5	107,50	3,00	32	/
DIASOL C45002		1/44	138	1	1,50	0,5	108,00	3,00	32	/
DIASOL C45003		1/44	138	1	1,75	0,5	108,50	3,00	32	/
DIASOL C45004		1/44	138	1	1,25	0,5	107,50	3,00	32	1
DIASOL C45005		1/44	138	1	1,50	0,5	108,00	3,00	32	1
DIASOL C45006		1/44	138	1	1,75	0,5	108,50	3,00	32	1
DIASOL C45007		1/44	138	2	1,25	0,5	108,50	3,00	32	/
DIASOL C45008		1/44	138	2	1,50	0,5	109,00	3,00	32	/
DIASOL C45009		1/44	138	2	1,75	0,5	109,50	3,00	32	/
DIASOL C45010		1/44	138	2	1,25	0,5	108,50	3,00	32	1
DIASOL C45011		1/44	138	2	1,50	0,5	109,00	3,00	32	1
DIASOL C45012		1/44	138	2	1,75	0,5	109,50	3,00	32	1
DIASOL C45013		1/44	138	3	1,25	0,5	109,50	3,00	32	/
DIASOL C45014		1/44	138	3	1,50	0,5	110,00	3,00	32	/
DIASOL C45015		1/44	138	3	1,75	0,5	110,50	3,00	32	/
DIASOL C45016		1/44	138	3	1,25	0,5	109,50	3,00	32	1
DIASOL C45017		1/44	138	3	1,50	0,5	110,00	3,00	32	1
DIASOL C45018		1/44	138	3	1,75	0,5	110,50	3,00	32	1

Dilution rate: 1L Acidic Hemodialysis Solutions, 1,575L Basic Bicarbonate 42,425 Purified water

Product code of Acidic Hemodialysis Solutions	Acidic Hemodialysis Solutions	Dilution rate	Formulation information							
			Na ⁺ mmol/L	K ⁺ mmol/L	Ca ⁺² mmol/L	Mg ⁺² mmol/L	Cl ⁻ mmol/L	Ac ⁻ mmol/L	HCO ₃ ⁻ mmol/L	Glucose g/L
DIASOL S45001	Diasal B35 Basic Bicarbonate Hemodialysis solutions or Farmacart Cartridge Bicarbonates (8.4% bicarbonate concentrate)	1/44	138	1	1,25	0,5	103,50	3,00	36	/
DIASOL S45002		1/44	138	1	1,50	0,5	104,00	3,00	36	/
DIASOL S45003		1/44	138	1	1,75	0,5	104,50	3,00	36	/
DIASOL S45004		1/44	138	1	1,25	0,5	103,50	3,00	36	1
DIASOL S45005		1/44	138	1	1,50	0,5	104,00	3,00	36	1
DIASOL S45006		1/44	138	1	1,75	0,5	104,50	3,00	36	1
DIASOL S45007		1/44	138	2	1,25	0,5	104,50	3,00	36	/
DIASOL S45008		1/44	138	2	1,50	0,5	105,00	3,00	36	/
DIASOL S45009		1/44	138	2	1,75	0,5	105,50	3,00	36	/
DIASOL S45010		1/44	138	2	1,25	0,5	104,50	3,00	36	1
DIASOL S45011		1/44	138	2	1,50	0,5	105,00	3,00	36	1
DIASOL S45012		1/44	138	2	1,75	0,5	105,50	3,00	36	1
DIASOL S45013		1/44	138	3	1,25	0,5	105,50	3,00	36	/
DIASOL S45014		1/44	138	3	1,50	0,5	106,00	3,00	36	/
DIASOL S45015		1/44	138	3	1,75	0,5	106,50	3,00	36	/
DIASOL S45016		1/44	138	3	1,25	0,5	105,50	3,00	36	1
DIASOL S45017		1/44	138	3	1,50	0,5	106,00	3,00	36	1
DIASOL S45018		1/44	138	3	1,75	0,5	106,50	3,00	36	1

Dilution rate: 1L Acidic Hemodialysis Solutions, 1,775L Basic Bicarbonate 42,225 Purified water

HEMODIALYSIS SOLUTIONS

Diasol Acidic Hemodialysis Solutions with Citrate



Formulation information

Product code of Acidic Hemodialysis Solutions	Basic Bicarbonate Hemodialysis Solutions	Dilution rate	Na ⁺ mmol/L	K ⁺ mmol/L	Ca ⁺² mmol/L	Mg ⁺² mmol/L	Cl ⁻ mmol/L	Sitrat mmol/L	HCO ₃ ⁻ mmol/L	Glucose g/L
DIASOL C45S0001	Diasol B35 Basic Bicarbonate Hemodialysis solutions or Farmacart Cartridge Bicarbonates (8.4% bicarbonate concentrate)	1/44	138	1	1,25	0,5	103,50	1	36	/
DIASOL C45S0002		1/44	138	1	1,25	0,5	103,50	1	36	1
DIASOL C45S0003		1/44	138	1	1,50	0,5	104,00	1	36	/
DIASOL C45S0004		1/44	138	1	1,50	0,5	104,00	1	36	1
DIASOL C45S0005		1/44	138	1	1,75	0,5	104,50	1	36	/
DIASOL C45S0006		1/44	138	1	1,75	0,5	104,50	1	36	1
DIASOL C45S0007		1/44	138	2	1,25	0,5	104,50	1	36	/
DIASOL C45S0008		1/44	138	2	1,25	0,5	104,50	1	36	1
DIASOL C45S0009		1/44	138	2	1,50	0,5	105,00	1	36	/
DIASOL C45S0010		1/44	138	2	1,50	0,5	105,00	1	36	1
DIASOL C45S0011		1/44	138	2	1,75	0,5	105,50	1	36	/
DIASOL C45S0012		1/44	138	2	1,75	0,5	105,50	1	36	1
DIASOL C45S0013		1/44	138	3	1,25	0,5	105,50	1	36	/
DIASOL C45S0014		1/44	138	3	1,25	0,5	105,50	1	36	1
DIASOL C45S0015		1/44	138	3	1,50	0,5	106,00	1	36	/
DIASOL C45S0016		1/44	138	3	1,50	0,5	106,00	1	36	1
DIASOL C45S0017		1/44	138	3	1,75	0,5	106,50	1	36	/
DIASOL C45S0018		1/44	138	3	1,75	0,5	106,50	1	36	1

Dilution rate: 1L Acidic Hemodialysis Solutions, 1,775L Basic Bicarbonate 42,225 Purified water

Product code of Acidic Hemodialysis Solutions	Basic Bicarbonate Hemodialysis Solutions	Dilution rate	Formulation information							
			Na ⁺ mmol/L	K ⁺ mmol/L	Ca ⁺² mmol/L	Mg ⁺² mmol/L	Cl ⁻ mmol/L	Sitrat mmol/L	HCO ₃ ⁻ mmol/L	Glucose g/L
DIASOL C45C0001	Diasal B35 Basic Bicarbonate Hemodialysis solutions or Farmacart Cartridge Bicarbonates (8.4% bicarbonate concentrate)	1/44	138	1	1,25	0,5	107,50	1	32	/
DIASOL C45C0002		1/44	138	1	1,25	0,5	107,50	1	32	1
DIASOL C45C0003		1/44	138	1	1,50	0,5	108,00	1	32	/
DIASOL C45C0004		1/44	138	1	1,50	0,5	108,00	1	32	1
DIASOL C45C0005		1/44	138	1	1,75	0,5	108,50	1	32	/
DIASOL C45C0006		1/44	138	1	1,75	0,5	108,50	1	32	1
DIASOL C45C0007		1/44	138	2	1,25	0,5	108,50	1	32	/
DIASOL C45C0008		1/44	138	2	1,25	0,5	108,50	1	32	1
DIASOL C45C0009		1/44	138	2	1,50	0,5	109,00	1	32	/
DIASOL C45C0010		1/44	138	2	1,50	0,5	109,00	1	32	1
DIASOL C45C0011		1/44	138	2	1,75	0,5	109,50	1	32	/
DIASOL C45C0012		1/44	138	2	1,75	0,5	109,50	1	32	1
DIASOL C45C0013		1/44	138	3	1,25	0,5	109,50	1	32	/
DIASOL C45C0014		1/44	138	3	1,25	0,5	109,50	1	32	1
DIASOL C45C0015		1/44	138	3	1,50	0,5	110,00	1	32	/
DIASOL C45C0016		1/44	138	3	1,50	0,5	110,00	1	32	1
DIASOL C45C0017		1/44	138	3	1,75	0,5	110,50	1	32	/
DIASOL C45C0018		1/44	138	3	1,75	0,5	110,50	1	32	1

Dilution rate: 1L Acidic Hemodialysis Solutions, 1,575L Basic Bicarbonate 42,425 Purified water

Product code of Acidic Hemodialysis Solutions	Basic Bicarbonate Hemodialysis Solutions	Dilution rate	Formulation information							
			Na ⁺ mmol/L	K ⁺ mmol/L	Ca ⁺² mmol/L	Mg ⁺² mmol/L	Cl ⁻ mmol/L	Sitrat mmol/L	HCO ₃ ⁻ mmol/L	Glucose g/L
DIASOL C45N0001	Diasal B35 Basic Bicarbonate Hemodialysis solutions or Farmacart Cartridge Bicarbonates (8.4% bicarbonate concentrate)	1/34	138	1	1,25	0,5	107,50	1	32	/
DIASOL C45N0002		1/34	138	1	1,25	0,5	107,50	1	32	1
DIASOL C45N0003		1/34	138	1	1,50	0,5	108,00	1	32	/
DIASOL C45N0004		1/34	138	1	1,50	0,5	108,00	1	32	1
DIASOL C45N0005		1/34	138	1	1,75	0,5	108,50	1	32	/
DIASOL C45N0006		1/34	138	1	1,75	0,5	108,50	1	32	1
DIASOL C45N0007		1/34	138	2	1,25	0,5	108,50	1	32	/
DIASOL C45N0008		1/34	138	2	1,25	0,5	108,50	1	32	1
DIASOL C45N0009		1/34	138	2	1,50	0,5	109,00	1	32	/
DIASOL C45N0010		1/34	138	2	1,50	0,5	109,00	1	32	1
DIASOL C45N0011		1/34	138	2	1,75	0,5	109,50	1	32	/
DIASOL C45N0012		1/34	138	2	1,75	0,5	109,50	1	32	1
DIASOL C45N0013		1/34	138	3	1,25	0,5	109,50	1	32	/
DIASOL C45N0014		1/34	138	3	1,25	0,5	109,50	1	32	1
DIASOL C45N0015		1/34	138	3	1,50	0,5	110,00	1	32	/
DIASOL C45N0016		1/34	138	3	1,50	0,5	110,00	1	32	1
DIASOL C45N0017		1/34	138	3	1,75	0,5	110,50	1	32	/
DIASOL C45N0018		1/34	138	3	1,75	0,5	110,50	1	32	1

Dilution rate: 1L Acidic Hemodialysis Solutions, 1,225L Basic Bicarbonate 32,775 Purified water

HEMODIALYSIS SOLUTIONS

DIASOL Powder Acidic Hemodialysis Solutions with Acetate



Diasol Powder Acidic Hemodialysis Concentrates must be dissolved with purified water with the help of a suitable mixing device according to the instructions given in the package insert in order to obtain liquid acid concentrate. The yielded acid concentrate is for use in a mixing ratio of 1+ 34. It is designed for use with Diasol B35 Powder Basic Hemodialysis Concentrate or Diasol Basic Bicarbonate Hemodialysis Solutions or Farmacart B Powder Sodium Bicarbonate.

Product code of acidic powder	Dilution rate	Formulation information Bicarbonate Solutions with acetate							
		Na ⁺ mmol/L	K ⁺ mmol/L	Ca ⁺² mmol/L	Mg ⁺² mmol/L	Cl ⁻ mmol/L	Ac ⁻ mmol/L	HCO ₃ ⁻ mmol/L	Glucose g/L
DIASOL Na138 K1 Ca1.25	1/34	138	1	1,25	0,5	107,50	3	32	/
DIASOL Na138 K1G Ca1.25	1/34	138	1	1,25	0,5	107,50	3	32	1
DIASOL Na138 K2 Ca1.25	1/34	138	2	1,25	0,5	108,50	3	32	/
DIASOL Na138 K2G Ca1.25	1/34	138	2	1,25	0,5	108,50	3	32	1
DIASOL Na138 K2 Ca1.5	1/34	138	2	1,50	0,5	109,00	3	32	/
DIASOL Na138 K2G Ca1.5	1/34	138	2	1,50	0,5	109,00	3	32	1
DIASOL Na138 K2 Ca1.5	1/34	138	2	1,75	0,5	109,50	3	32	/
DIASOL Na138 K2G Ca1.5	1/34	138	2	1,75	0,5	109,50	3	32	1
DIASOL Na138 K3 Ca1.5	1/34	138	3	1,50	0,5	110,00	3	32	/
DIASOL Na138 K3G Ca1.5	1/34	138	3	1,50	0,5	110,00	3	32	1

Dilution rate: 1L Acidic Hemodialysis Solutions, 1,225L Basic Bicarbonate 32,775 Purified water

Diasol Powder Acid: 35x Dilution Rate, 100L per box

		Formulation information Bicarbonate Solutions with acetate							
Product code of acidic powder	Dilution rate	Na ⁺ mmol/L	K ⁺ mmol/L	Ca ⁺² mmol/L	Mg ⁺² mmol/L	Cl ⁻ mmol/L	Ac ⁻ mmol/L	HCO ₃ ⁻ mmol/L	Glucose g/L
SPA45001	144	138	1	1,25	0,5	103,00	3,00	36	/
SPA45002	144	138	1	1,50	0,5	103,50	3,00	36	/
SPA45003	144	138	1	1,75	0,5	104,00	3,00	36	/
SPA45004	144	138	1	1,25	0,5	103,00	3,00	36	1
SPA45005	144	138	1	1,50	0,5	103,50	3,00	36	1
SPA45006	144	138	1	1,75	0,5	104,00	3,00	36	1
SPA45007	144	138	2	1,25	0,5	104,00	3,00	36	/
SPA45008	144	138	2	1,50	0,5	104,50	3,00	36	/
SPA45009	144	138	2	1,75	0,5	105,00	3,00	36	/
SPA45010	144	138	2	1,25	0,5	104,00	3,00	36	1
SPA45011	144	138	2	1,50	0,5	104,50	3,00	36	1
SPA45012	144	138	2	1,75	0,5	105,00	3,00	36	1
SPA45013	144	138	3	1,25	0,5	105,00	3,00	36	/
SPA45014	144	138	3	1,50	0,5	105,50	3,00	36	/
SPA45015	144	138	3	1,75	0,5	106,00	3,00	36	/
SPA45016	144	138	3	1,25	0,5	105,00	3,00	36	1
SPA45017	144	138	3	1,50	0,5	105,50	3,00	36	1
SPA45018	144	138	3	1,75	0,5	106,00	3,00	36	1

Dilution rate: 1L Acidic Hemodialysis Solutions, 1,775L Basic Bicarbonate 42,225 Purified water

Diasol Powder Acid: 45x Dilution Rate, 100L per box

		Formulation information Bicarbonate Solutions with acetate							
Product code of acidic powder	Dilution rate	Na ⁺ mmol/L	K ⁺ mmol/L	Ca ⁺² mmol/L	Mg ⁺² mmol/L	Cl ⁻ mmol/L	Ac ⁻ mmol/L	HCO ₃ ⁻ mmol/L	Glucose g/L
CPA45001	144	138	1	1,25	0,5	107,50	3,00	32	/
CPA45002	144	138	1	1,50	0,5	108,00	3,00	32	/
CPA45003	144	138	1	1,75	0,5	108,50	3,00	32	/
CPA45004	144	138	1	1,25	0,5	107,50	3,00	32	1
CPA45005	144	138	1	1,50	0,5	108,00	3,00	32	1
CPA45006	144	138	1	1,75	0,5	108,50	3,00	32	1
CPA45007	144	138	2	1,25	0,5	108,50	3,00	32	/
CPA45008	144	138	2	1,50	0,5	109,00	3,00	32	/
CPA45009	144	138	2	1,75	0,5	109,50	3,00	32	/
CPA45010	144	138	2	1,25	0,5	108,50	3,00	32	1
CPA45011	144	138	2	1,50	0,5	109,00	3,00	32	1
CPA45012	144	138	2	1,75	0,5	109,50	3,00	32	1
CPA45013	144	138	3	1,25	0,5	109,50	3,00	32	/
CPA45014	144	138	3	1,50	0,5	110,00	3,00	32	/
CPA45015	144	138	3	1,75	0,5	110,50	3,00	32	/
CPA45016	144	138	3	1,25	0,5	109,50	3,00	32	1
CPA45017	144	138	3	1,50	0,5	110,00	3,00	32	1
CPA45018	144	138	3	1,75	0,5	110,50	3,00	32	1

Dilution rate: 1L Acidic Hemodialysis Solutions, 1,575L Basic Bicarbonate 42,425 Purified water

Diasol Powder Acid: 45x Dilution Rate, 100L per box

DIASOL Powder Acidic Hemodialysis Solutions with Citrate

Product code of acidic powder	Dilution rate	Formulation information Bicarbonate Solutions with acetate							
		Na ⁺ mmol/L	K ⁺ mmol/L	Ca ⁺² mmol/L	Mg ⁺² mmol/L	Cl ⁻ mmol/L	Citrate mmol/L	HCO ₃ ⁻ mmol/L	Glucose g/L
C45N0001	1/34	138	1	1,25	0,5	107,50	1	32	/
C45N0002	1/34	138	1	1,25	0,5	107,50	1	32	1
C45N0003	1/34	138	1	1,50	0,5	108,00	1	32	/
C45N0004	1/34	138	1	1,50	0,5	108,00	1	32	1
C45N0005	1/34	138	1	1,75	0,5	108,50	1	32	/
C45N0006	1/34	138	1	1,75	0,5	108,50	1	32	1
C45N0007	1/34	138	2	1,25	0,5	108,50	1	32	/
C45N0008	1/34	138	2	1,25	0,5	108,50	1	32	1
C45N0009	1/34	138	2	1,50	0,5	109,00	1	32	/
C45N0010	1/34	138	2	1,50	0,5	109,00	1	32	1
C45N0011	1/34	138	2	1,75	0,5	109,50	1	32	/
C45N0012	1/34	138	2	1,75	0,5	109,50	1	32	1
C45N0013	1/34	138	3	1,25	0,5	109,50	1	32	/
C45N0014	1/34	138	3	1,25	0,5	109,50	1	32	1
C45N0015	1/34	138	3	1,50	0,5	110,00	1	32	/
C45N0016	1/34	138	3	1,50	0,5	110,00	1	32	1
C45N0017	1/34	138	3	1,75	0,5	110,50	1	32	/
C45N0018	1/34	138	3	1,75	0,5	110,50	1	32	1

Dilution rate: 1L Acidic Hemodialysis Solutions, 1,225L Basic Bicarbonate 32,775 Purified water

Diasol Powder Acid: 35x Dilution Rate, 100L per box

Product code of acidic powder	Dilution rate	Formulation information Bicarbonate Solutions with acetate							
		Na ⁺ mmol/L	K ⁺ mmol/L	Ca ⁺² mmol/L	Mg ⁺² mmol/L	Cl ⁻ mmol/L	Citrate mmol/L	HCO ₃ ⁻ mmol/L	Glucose g/L
C45S0001	144	138	1	1,25	0,5	103,50	1	36	/
C45S0002	144	138	1	1,25	0,5	103,50	1	36	1
C45S0003	144	138	1	1,50	0,5	104,00	1	36	/
C45S0004	144	138	1	1,50	0,5	104,00	1	36	1
C45S0005	144	138	1	1,75	0,5	104,50	1	36	/
C45S0006	144	138	1	1,75	0,5	104,50	1	36	1
C45S0007	144	138	2	1,25	0,5	104,50	1	36	/
C45S0008	144	138	2	1,25	0,5	104,50	1	36	1
C45S0009	144	138	2	1,50	0,5	105,00	1	36	/
C45S0010	144	138	2	1,50	0,5	105,00	1	36	1
C45S0011	144	138	2	1,75	0,5	105,50	1	36	/
C45S0012	144	138	2	1,75	0,5	105,50	1	36	1
C45S0013	144	138	3	1,25	0,5	105,50	1	36	/
C45S0014	144	138	3	1,25	0,5	105,50	1	36	1
C45S0015	144	138	3	1,50	0,5	106,00	1	36	/
C45S0016	144	138	3	1,50	0,5	106,00	1	36	1
C45S0017	144	138	3	1,75	0,5	106,50	1	36	/
C45S0018	144	138	3	1,75	0,5	106,50	1	36	1

Dilution rate: 1L Acidic Hemodialysis Solutions, 1,775L Basic Bicarbonate 42,225 Purified water

Diasol Powder Acid: 45x Dilution Rate, 100L per box

Product code of acidic powder	Dilution rate	Formulation information Bicarbonate Solutions with acetate							
		Na ⁺ mmol/L	K ⁺ mmol/L	Ca ⁺² mmol/L	Mg ⁺² mmol/L	Cl ⁻ mmol/L	Citrate mmol/L	HCO ₃ ⁻ mmol/L	Glucose g/L
C45C0001	144	138	1	1,25	0,5	107,50	1	32	/
C45C0002	144	138	1	1,25	0,5	107,50	1	32	1
C45C0003	144	138	1	1,50	0,5	108,00	1	32	/
C45C0004	144	138	1	1,50	0,5	108,00	1	32	1
C45C0005	144	138	1	1,75	0,5	108,50	1	32	/
C45C0006	144	138	1	1,75	0,5	108,50	1	32	1
C45C0007	144	138	2	1,25	0,5	108,50	1	32	/
C45C0008	144	138	2	1,25	0,5	108,50	1	32	1
C45C0009	144	138	2	1,50	0,5	109,00	1	32	/
C45C0010	144	138	2	1,50	0,5	109,00	1	32	1
C45C0011	144	138	2	1,75	0,5	109,50	1	32	/
C45C0012	144	138	2	1,75	0,5	109,50	1	32	1
C45C0013	144	138	3	1,25	0,5	109,50	1	32	/
C45C0014	144	138	3	1,25	0,5	109,50	1	32	1
C45C0015	144	138	3	1,50	0,5	110,00	1	32	/
C45C0016	144	138	3	1,50	0,5	110,00	1	32	1
C45C0017	144	138	3	1,75	0,5	110,50	1	32	/
C45C0018	144	138	3	1,75	0,5	110,50	1	32	1

Dilution rate: 1L Acidic Hemodialysis Solutions, 1,575L Basic Bicarbonate 42,425 Purified water

Diasol Powder Acid: 45x Dilution Rate, 100L per box

HEMODIALYSIS SOLUTIONS

Diasol Powder Basic Hemodialysis Concentrates must be dissolved with purified water with the help of a suitable mixing device according to the instructions given in the package insert in order to obtain liquid 8.4% bicarbonate concentrate.

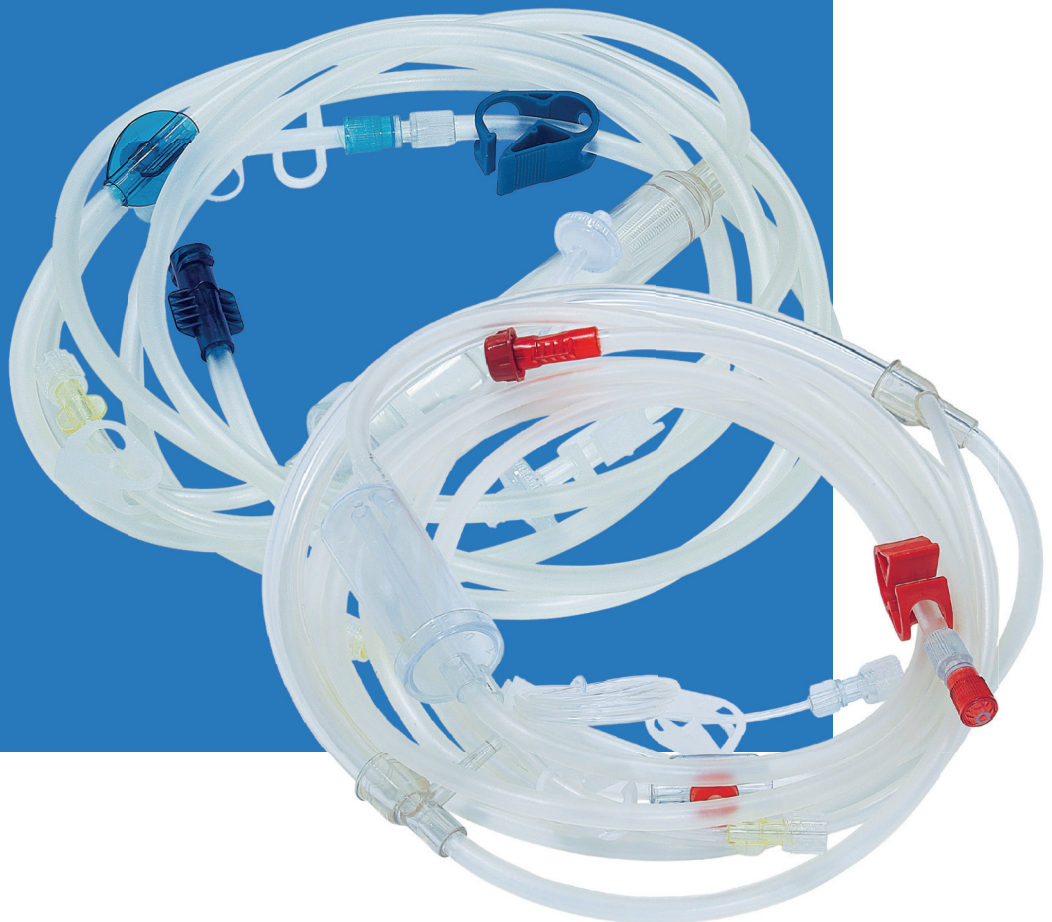


Diasol Powder Basic Hemodialysis Concentrates Composition of the concentrate			
Type	Na ⁺ mmol/L	K ⁺ mmol/L	Quantity
DIASOL B35 840	1.000	1.000	36 bags/box
DIASOL B35 8400	1.000	1.000	4 bags/box

Mixing device

04

AV Bloodlines



AV BLOODLINES

AV BLOODLINES

Different configurations are possible, adapted to customers' needs.

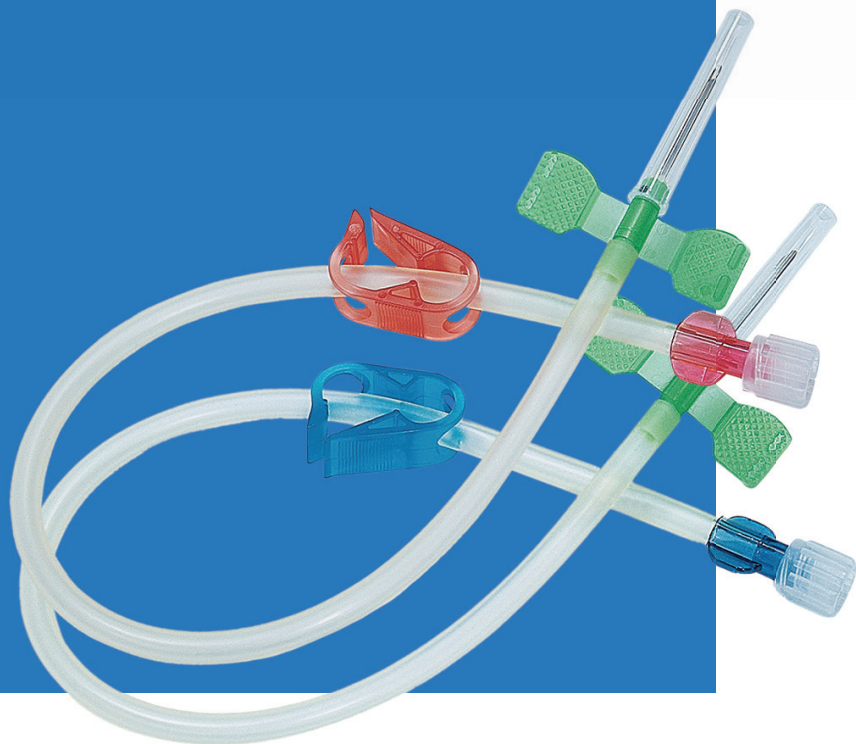


The bloodline tubing is made of medical grade PVC material available in different grades of rigidity and grades of transparency dependent on customers' requirements. Due to their ergonomics and perfectly glued structure Farmasol Bloodline system offer a great deal of flexibility and freedom to end users. Leak-tightness and resistance to pressure tests of the bloodline systems are individually performed at our production site equipped with latest technology. Products are available sterilized by E.T.O.

Product reference code	Radius of pumps	Model
AV 200	7 x 10	Universal
AV 200 T	7 x 10	Universal
AV 200	8 x 12	Universal
AV 200 T	8 x 12	Universal
AV 201 D	7 x 10	B.Braun
AV 201 D	8 x 12	B.Braun
AV 200 N	8 x 12	Nikisso
AV 202	8 x 12	Gambro
AV 203 F 812 T	8 x 12	Fresenius
AV 203 F 812	8 x 12	Fresenius
AV 200 K	7 x 10	Universal
AV 200 K	8 x 12	Universal
AV 200 KT	7 x 10	Universal
AV 200 KT	8 x 12	Universal

05

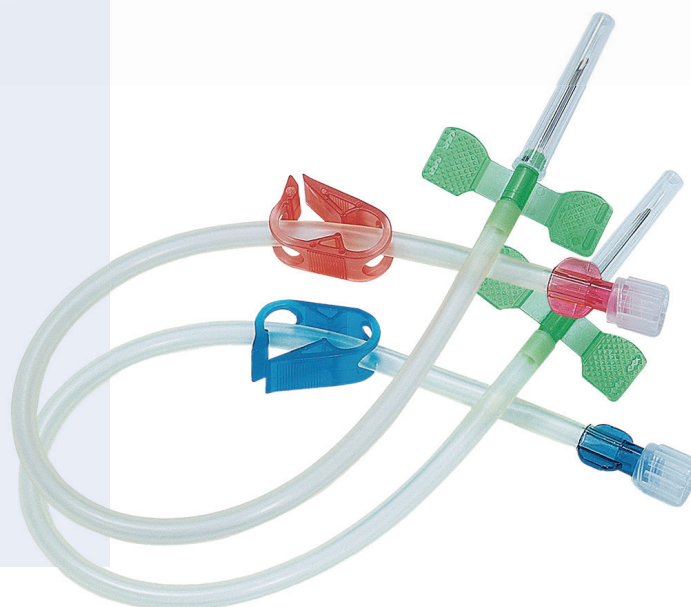
AV Fistula needle sets



AV FISTULA NEEDLE SETS

AV FISTULA NEEDLE

Different configurations are possible, adapted to customers' needs.



- + Extremely thin walled needle
- + Back eye of the arterial with particular oval shape
- + Considerably reduced puncture pain and minimized tissue damage
- + Carefully applied, thin silicon coating of the lumen
- + Extremely elastic tubes; they can be flexibly bent without kinking with female luer lock and clamp
- + Supple, rotating wings with a roughened gripping surface. Properties which safely support the user to insert the needle precisely and to fix it safely.

Injection diameter	Wing	Injection length (mm)	Tube length (mm)	Wing Color	Injection		Rear Eye
					Artery	Ven	
15G / 1,8mm	Rotating	25	300	White	X		Back Eyed
15G / 1,8mm	Rotating	25	300	White		X	Without Back Eye
16G / 1,6mm	Stable	25	300	Green	X		Back Eyed
16G / 1,6mm	Stable	25	300	Green		X	Without Back Eye
16G / 1,6mm	Rotating	25	300	Green	X		Back Eyed
16G / 1,6mm	Rotating	25	300	Green		X	Without Back Eye
17G / 1,5mm	Rotating	25	300	Orange	X		Back Eyed
17G / 1,5mm	Rotating	25	300	Orange		X	Without Back Eye

06

DIADEZ HD Machine Disinfectants

DIADEZ C 50 DISINFECTANT

DIADEZ M2,5 L2,5 DISINFECTANT

DIADEZ PAA



DIADEZ HD MACHINE DISINFECTANTS

DIADEZ HD MACHINE DISINFECTANTS

DIADEZ M2.5 L2.5

Concentrated hemodialysis machine disinfectant



Composition

It contains 21% Citric Acid, 2.5% Malic Acid and 2.5% Lactic Acid.

Intended for use and effects

DIADEZ M2.5 L2.5 is a concentrated hemodialysis machine disinfectant and used in FRESenius hemodialysis machines for thermochemical disinfection and decalcification purpose. DIADEZ M2.5 L2.5 provides decalcification with 37 °C and disinfection (bactericidal, fungicidal and virucidal) with temperatures above 60 °C.

Usage

DIADEZ M2.5 L2.5 is a concentrated hemodialysis machine disinfectant and used in FRESenius hemodialysis machines. The cover of the disinfectant canister is opened and the disinfectant pipette of the machine is introduced in the disinfectant canister. The machine is performed automatically to disinfection after every hemodialysis treatment. All disinfection steps are performed automatically by the hemodialysis machine.

Storage conditions

It should be stored at the temperatures of 15 – 30 °C with the manner of sealed and protected from sunlight.

Its shelflife is two years. The date of manufacture and expiration are given on the label.

Warnings and precautions

It should be used for only disinfection and decalcification in the hemodialysis machines. It can not be used definitely for medical cure. The gloves must be used during the application. Obstruct touching with skin and mucosa. Wash with plenty of water in the contact. It should be used by the doctors, nurses and technicians who are the specialist in the field. The effectiveness of disinfectant was proven when it was diluted with the rate of 1/20 or less.

Packaging

DIADEZ M2.5 L2.5 Concentrated Hemodialysis Machine Disinfectant is available in 5 liters of polyethylene canisters.

DIADEZ HD MACHINE DISINFECTANTS

DIADEZ C 50

Concentrated hemodialysis machine disinfectant



Composition

It contains 50% of Citric acid.

Intended for use and effects

DIADEZ C 50 is a concentrated hemodialysis machine disinfectant and used in B.BRAUN and NIKKISO hemodialysis machines for thermochemical disinfection and decalcification purpose. DIADEZ C 50 provides decalcification with 37 °C and disinfection (bactericidal, fungusidal and virucidal) with temperatures above 60 °C

Usage

DIADEZ C50 is a concentrated hemodialysis machine disinfectant and used in B.BRAUN and NIKKISO hemodialysis machines. The cover of the disinfectant canister is opened and the disinfectant pipette of the machines is introduced in the disinfectant canister. The machine is performed automatically to disinfection after every hemodialysis treatment. All disinfection steps are performed automatically by the hemodialysis machine.

Storage conditions

It should be stored at the temperatures of 15 °C - 30 °C with the manner of sealed and protected from sunlight. Its shelf life is two years. The date of manufacture and expiration are given on the label.

Warnings / precautions

It should be used only disinfection and decalcification in the hemodialysis machines. It can not be used definitely for medical cure. The gloves must be used during the application. Obstruct touching with skin and mucosa. Wash with plenty of water in the contact. It should be used by doctors, nurses and technicians who are the specialist in the field. The effectiveness of disinfectant was proven when it was diluted with the rate of 1/20 or less.

Packaging form

DIADEZ C50 Concentrated hemodialysis machine disinfectant is available in 5 and 10 liters polyethylene canisters.

DIADEZ HD MACHINE DISINFECTANTS

DIADEZ PAA

Concentrate hemodialysis machine disinfection



Composition:

5% Peracetic Acid, 8% Asetic Acid, 25% Hydrogen Peroxide

Intended for use and effects:

DIADÉZ PAA is used during the disinfection and decalcification processes of hemodialysis machines. FRESenius hemodialysis machines can use DIADÉZ PAA automatically by introducing disinfectant pipette of the machine directly into the disinfectant canister. Hemodialysis machines perform automatically to disinfection after every hemodialysis treatment. Dilution process is performed by Hemodialysis machines automatically. Dilution rate is (1+24). DIADÉZ PAA is used during the disinfection and decalcification processes of hemodialysis machines which have volumetric systems. It provides disinfection and decalcification at the temperature of 37 °C. It should be used by the doctors, nurses and technicians who are the specialist in the field.

Warnings and precautions

This product can only be used for the disinfection and decalcification processes of hemodialysis machines. The gloves must be used during the application. A void contact with skin and mucosa. Wash with plenty of water in case of any contact.

Storage conditions

It should be stored at the temperatures of 5 °C to 30 °C with the manner of sealed and protected from sunlight. It should be kept out of reach of children. Its shelf life is two years.

Packaging

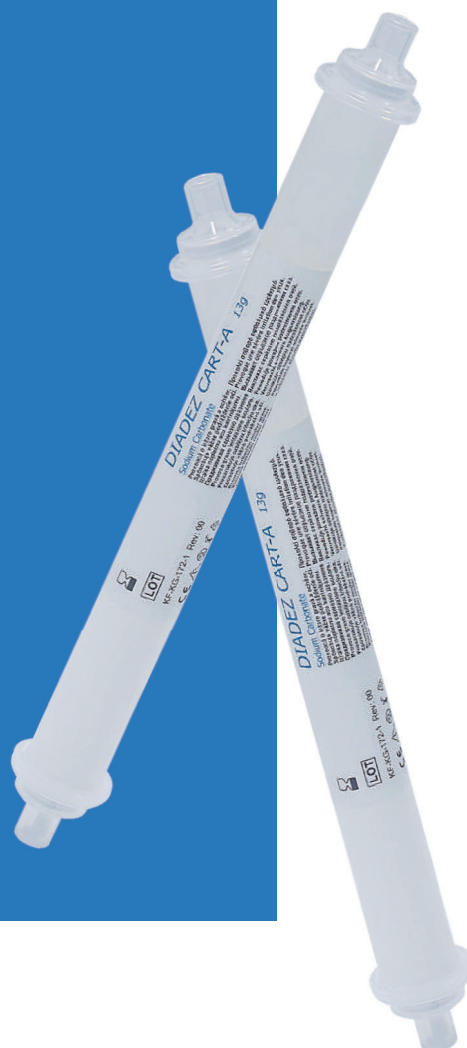
Concentrated Hemodialysis Machine Disinfectant is available in 5 liters of polyethylene canisters.

07

Diadez cartridges disinfectants

DIADEZ CART -A

DIADEZ CART 32 G



DIADEZ CARTRIDGES DISINFECTANTS

DIADEZ CART -A

Cartridges



With Diadez Cart-A cartridges, regular dialysis machine maintenance and disinfection assure proper dialysis machine function and requires less intensive machine operation from clinical staff. Dialysis machine maintenance and disinfection becomes a convenient and simple operation.

- + Less space for storage and less heavy lifting for staff compared to liquid disinfectant
- + Minimizes risk of personal injury and material damage when handling chemical agents
- + Recyclable polypropylene container for less environmental impact compared to the liquid disinfectant
- + Easy to streamline disinfection combining heat
- + Diadez Cart-A cartridge removes organic deposits, fats and proteins in combination with the heat disinfection program of the machine. It is recommended at least after 22 treatments or at least once every seventh treatment day

Specifications

The Diadez Cart-A cartridge contains 13 grams of anhydrous sodium carbonate powder. The Diadez Cart-A cartridge is intended for preparation of a sodium carbonate solution used for removing organic deposits, fats and proteins from the dialysis machine's fluid circuit. The Diadez Cart-A cartridge must be used in combination with the heat disinfection program of the corresponding dialysis machine.

Technical data		Diadez Cart-A
Action in combination with the heat disinfection program	Cleaning of the fluid path from organic deposits, fats and proteins	
Cartridge content	13 grams	
Total cartridge weight	Approx. 32 grams	
Cartridge and label material	Recyclable polypropylene (PP)	
Recommended usage	Refer to operator's manual for corresponding dialysis machine	
pH (prepared solution)	Approx. 11	
Residual test needed	No	
Biodegradable content	Yes	
Storage conditions	Store below +30°C	
Shelf life	24 months from date of manufacture	
Packaging	Box of 80 cartridges	

DIADEZ CARTRIDGES DISINFECTANTS

DIADEZ CART 32 G

Disinfectant for GAMBRO
Hemodialysis Machines



The Diadez Cart cartridge contains 32 grams of citric acid powder. The Diadez Cart cartridge is intended for preparation of a citric acid solution used for removing calcium and magnesium precipitation from the dialysis machine's fluid circuit. The cartridge must be used in combination with the heat disinfection program of the corresponding dialysis machine

Technical data	Diadez Cart 32 G
Action in combination with the heat disinfection program	Decalcification of the fluid path
Cartridge content	32 grams
Total cartridge weight	Approx. 50 grams
Cartridge and label material	Recyclable polypropylene (PP)
Recommended usage	Refer to operator's manual for corresponding dialysis machine
pH (prepared solution)	Approx. 2
Residual test needed	No
Biodegradable content	Yes
Storage conditions	Store below +30°C
Shelf life	36 months from date of manufacture
Packaging	Box of 33 cartridges
Box dimensions	279 x 247 x 81 mm
Total box weight	1800 grams



Manufactured by: FARMASOL TIBBİ ÜRÜNLER SAN. VE TİC. A.Ş.
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