FRESENIUS MEDICAL CARE

RENAL PRODUCTS CATALOG

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For more information, including Indications, Safety, and Warnings, visit **fmcna.com/products/indications-safety-and-warnings/**   To place an order, call 1-800-323-5188

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Contact Us

Customer Service/Order Entry: Disposables, Parts, and PD Equipment & Solutions

Address:
101 Waukegan Road, Suite 100
Lake Bluff, IL 60044

Telephone: 1-800-323-5188
Disposables Fax: 1-781-372-9559
Spare Parts Fax: 1-781-419-8951

When ordering, please include the following information:
- Account Number
- Hospital or Center Name
- Complete Delivery Address
- Requested Delivery Date
- Purchase Order Number
- Contact Name
- Contact Telephone Number

Customer Service/Order Entry: Hemodialysis Equipment

Address:
920 Winter Street
Waltham, MA 02451

Fax: 1-781-699-9735
Email Address: MachineFaxOrders@fmc-na.com

When ordering, please include the following information:
- Account Number
- Hospital or Center Name
- Complete Delivery Address
- Requested Delivery Date
- Purchase Order Number
- Purchase, Lease, or Rental
- New or Refurbished
- Contact Name and Telephone Number

Customer Service Repairs, Technical Support and Training Inquiries

Address:
4040 Nelson Avenue
Concord, CA 94520

Telephone: 1-800-227-2572

success@home™ Clinical Resource Line:
1-877-954-3340

When ordering, please include the following information:
- Account Number
- Hospital or Center Name
- Complete Delivery Address
- Requested Delivery Date
- Purchase Order Number
- Contact Name and Telephone Number

Accounts Receivable Inquiries

Fax: 1-781-699-9065
(Includes invoice and statement inquiries)

Credit Inquiries

Fax: 1-781-699-9087

Emergency Customer Service: Disposable Products

Telephone: 1-800-323-5188

Note: For a complete description of billing, ordering, delivery, and returned goods, policies, and warranties, see full Directory of Services information at www.fmcna.com.

For more information, including Indications, Safety, and Warnings, visit **https://fmcna.com/products/indications-safety-and-warnings/**

To place an order, call 1-800-323-5188

Hemodialysis Equipment

Fresenius Medical Care Renal Technologies is the leading provider of hemodialysis equipment with an installed base of over 120,000 machines in the U.S., more than all other dialysis brands combined. Physicians, clinicians, and administrators have made Fresenius Medical Care the leading hemodialysis equipment provider in the U.S.—and the 2008® series machine is their preferred choice. The 2008T BlueStar machine is indicated for acute and chronic hemodialysis therapy. It is our next generation in a decades-long commitment to the treatment of end stage renal disease—providing the latest technology on a proven platform.

▶ 2008T BlueStar Hemodialysis Machines

▶ 2008T BlueStar Hemodialysis Machine Accessories/Options

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Hemodialysis Equipment

2008T BlueStar™ Hemodialysis Machine

Part Number	New Machine Part Description
191124	2008T BlueStar with CDX™
191126	2008T BlueStar with CDX and bi*bag*
191128	2008T BlueStar without CDX
191130	2008T BlueStar without CDX, with bi*bag*

2008T BlueStar Hemodialysis Machine Accessories/Options

Part Number	Description	Order Required
191137	2008T BlueStar Standard Kit	One per clinic
191138	2008T BlueStar Premium Kit	One per machine
191139	PatientCard Reader Kit	One per machine
M35765	Patient Card	One per patient
36-9199-51	Universal Data Link (UDL)	One per clinic
191076	Sustained Low-Efficiency Dialysis (SLED) Kit	One per machine

Fluid Management

Accurate, real-time fluid management with Crit-Line technology allows the clinician insight as to how a patient is tolerating dialysis throughout a treatment. Appropriate adjustment of ultrafiltration rates and maximizing the amount of fluid removal, while minimizing the potential for hypovolemic and intradialytic symptoms, is critical to a more effective dialysis treatment.

- ▶ Crit-Line® IV & CLiC™-Related Accessories
- ▶ CLiC™ Blood Chamber
- ▶ CombiSet SMARTECH®

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Fluid Management

Crit-Line® IV & CLiC-Related Accessories

Part Number	Description	Quantity	For Use with
CL10051001	Crit-Line IV Monitor	each	Crit-Line IV
CL10041001	Crit-Line Clip (CLiC) - USB	each	Crit-Line IV & CLiC
CL10054004	Crit-Line IV Pole Mount	each	Crit-Line IV
CL80050002	Crit-Line IV User Guide	each	Crit-Line IV
CL90000076	Telegesis Radio	each	Crit-Line IV
CL10029504	CLM Printer Software	each	Crit-Line IV
CL44300012	Power Supply	each	Crit-Line IV
CL90000035	Crit-Line US AC Adapter Cord	each	Crit-Line IV

CLiC™ Blood Chamber

Part Number	Description	Quantity	For Use with
CL10041021	CLiC Blood Chamber	36 each / box	Crit-Line IV & CLiC

CombiSet SMARTECH®
Available with and without a heparin line.

Part Number	Description	Quantity	For Use with
03-2722-9C	CombiSet SMARTECH with heparin line	each	CLiC & Crit-Line IV
03-2742-9C	CombiSet SMARTECH without heparin line	each	CLiC & Crit-Line IV

Dialyzers

Fresenius Renal Technologies has been a leading manufacturer of dialyzers for over 20 years by offering a wide-ranging dialyzer portfolio, including the most prescribed dialyzer brand, Optiflux. Our variety of available dialyzers provides the clinician with options to individualize patient care.

Whether you require high flux for removal of small and middle molecule solutes; low flux for diffusive small molecule removal; or low volume to minimize extracorporeal circuit volume, we offer multiple single-use dialyzers to meet the clinical needs of all patient types.

▶ High Flux

▶ Low Flux

▶ Low Volume

▶ Sterilization Options

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Dialyzers

High Flux

The proven technology of Advanced Fresenius Polysulfone® quality, biocompatibility, and performance provide the foundation upon which Optiflux® dialyzer technology is built. Our asymmetric membrane structure provides a unique barrier that adsorbs endotoxins. Other advances in fiber and dialyzer technology enable increased dialysate turbulence to improve small solute removal. The resulting steeper sieving curve enhances small and middle molecule clearance without increasing albumin loss, compared to Low Flux dialyzers.

Part Number	Dialyzer	Unit	Qty/ Case	Surface Area (m²)	Prime Volume (mL)	Kuf (in vitro bovine 32%)	Sterilant	KoA Urea (at QB300/ QD500 mL/min)	Clearance QB 300, QD 500 mL/min			
									Urea	Creatinine	Phosphate	Vitamin B_{12}
0500316E	Optiflux F160NRe	Case	12	1.5	87	61	E beam	1167	271	242	241	153
0500318E	Optiflux F180NRe	Case	12	1.7	102	76	E beam	1321	277	253	253	169
0500318N	Optiflux F180NR	Case	12	1.7	97	72	EtO	1336	276	247	245	162
0500320E	Optiflux F200NRe	Case	12	1.9	113	74	E beam	1336	276	259	254	177
0500325E	Optiflux F250NRe	Case	12	2.5	142	111	E beam	1714	287	273	274	205

Low Flux

Low flux dialyzers allow patients with a smaller surface area to achieve desired Kt/V adequacy goals with the same reliability in performance and biocompatibility as our high flux dialyzers. Additionally, our variety of low flux dialyzers provides the clinician with options to individualize patient care.

Part Number	Dialyzer	Unit	Qty/ Case	Surface Area (m²)	Prime Volume (mL)	Kuf (in vitro bovine 32%)	Sterilant	KoA Urea (at QB300/ QD500 mL/min)	Clearance QB 200, QD 500 mL/min			
									Urea	Creatinine	Phosphate	Vitamin B_{12}
0520165A	Hemoflow™ F3	Case	15	0.3	26	1.6	EtO	203	117	87	40	20
0520161A	Hemoflow F4	Case	15	0.7	45	2.8	EtO	373	155	128	52	26

Data available upon request

For more information, including Indications, Safety, and Warnings, visit **https://fmcna.com/products/indications-safety-and-warnings/**   To place an order, call 1-800-323-5188

Dialyzers

Low Volume

Fresenius Renal Technologies' low volume dialyzers are viable options for smaller patients and those with a low blood volume. Using a low volume dialyzer in conjunction with a low volume bloodline may help to minimize the amount of blood outside the patient's body during therapy.

Part Number	Dialyzer	Unit	Qty/ Case	Surface Area (m²)	Prime Volume (mL)	Kuf (in vitro bovine 32%)	Sterilant	KoA Urea (at QB200/QD500 mL/min)	Clearance QB 200, QD 500 mL/min			
									Urea	Creatinine	Phosphate	Vitamin B$_{12}$
0520165A	Hemoflow F3	Case	15	0.3	26	1.6	EtO	203	117	87	40	20
0520161A	Hemoflow F4	Case	15	0.7	45	2.8	EtO	373	155	128	52	26
0500714S	Hemoflow F40S	Case	12	0.7	42	20	Steam	445	166	148	135	84

Sterlization Options

Fresenius Renal Technologies also offers dialyzer options in steam and ethylene oxide (EtO) sterilization.

Part Number	Dialyzer	Unit	Qty/ Case	Surface Area (m²)	Prime Volume (mL)	Kuf (in vitro bovine 32%)	Sterilant	KoA Urea (at QB200/QD500 mL/min)	Clearance QB 200, QD 500 mL/min			
									Urea	Creatinine	Phosphate	Vitamin B$_{12}$
0520165A	Hemoflow F3	Case	15	0.3	26	1.6	EtO	203	117	87	40	20
0520161A	Hemoflow F4	Case	15	0.7	45	2.8	EtO	373	155	128	52	26
0500714S	Hemoflow F40S	Case	12	0.7	42	20	Steam	445	166	148	135	84

Part Number	Dialyzer	Unit	Qty/ Case	Surface Area (m²)	Prime Volume (mL)	Kuf (in vitro bovine 32%)	Sterilant	KoA Urea (at QB300/QD500 mL/min)	Clearance QB 300, QD 500 mL/min			
									Urea	Creatinine	Phosphate	Vitamin B$_{12}$
0500318N	Optiflux F180NR	Case	12	1.7	97	72	EtO	1336	278	247	245	162

Data available upon request

For more information, including Indications, Safety, and Warnings, visit **https://fmcna.com/products/indications-safety-and-warnings/**   To place an order, call 1-800-323-5188

Critical Care

NxStage® Medical is an established leader in critical kidney care with significant clinical and commercial experience. NxStage® System One™ with NxView™ is currently used by leading U.S. hospitals, including 70% of the top 10 kidney care hospitals as ranked by *U.S. News and World Report*.*

▶ System

▶ Cartridges

▶ Fluids

For more information, including Risks and Responsibilities, visit **www.nxstage.com/risks/cc/**

Critical Care

System

Part Number	Description
NX1000-5	NxStage System One with NxView
FW-200	NxStage ComfortMate™ Fluid Warmer

Cartridges

Part Number	Description
CAR-124	NxStage Cartridge
CAR-125	NxStage Low Volume Cartridge with Renaflo II Filter
CAR-500	NxStage Cartridge Express Standard with Integrated Purema H Filter
CAR-502	NxStage Cartridge Express with Extended Tubing and Integrated Purema H Filter
CAR-505	NxStage Cartridge Express with Integrated Purema H Filter
CAR-510	NxStage TPE Cartridge with Asahi Plasmaflo OP-O5W(A) Plasma Separator

For more information, including Risks and Responsibilities, visit **www.nxstage.com/risks/cc/**

Critical Care

Fluids

Part Number	Description	Bicarbonate (mEq/L)	Potassium (mEq/L)	Sodium (mEq/L)	Calcium (mEq/L)	Magnesium (mEq/L)	Chloride (mEq/L)	Glucose (mg/dL)
RFP-400	NxStage PureFlow™ B Solution	35	2	140	3	1	111	100
RFP-401	NxStage PureFlow B Solution	35	4	140	3	1	113	100
RFP-402	NxStage PureFlow B Solution	35	0	140	3	1	109	100
RFP-403	NxStage PureFlow B Solution	35	2	140	0	1.5	108.5	100
RFP-404	NxStage PureFlow B Solution	35	4	140	2.5	1.5	113	100
RFP-406*	NxStage PureFlow B Solution	35	3	140	3	1.5	112.5	100
RFP-453	NxStage PureFlow B Solution	25	2	130	0	1.5	108.5	100
RFP-454	NxStage PureFlow B Solution	25	4	130	0	1.5	110.5	100
RFP-456	NxStage PureFlow B Solution	25	4	140	0	1.5	120.5	100

*Special order code—if you wish to order this product, contact NxStage for ordering information.

NxStage PureFlow B solutions are indicated for use with renal replacement systems that utilize sterile premixed dialysate. They are not indicated for direct infusion.

Customer Service

Phone: 1-866-NXSTAGE (1-866-697-8243)

Fax: 1-978-687-4809

Email: acuteorders@fmc-na.com

For more information, including Risks and Responsibilities, visit **www.nxstage.com/risks/cc/**

Bloodlines

True to its name, our CombiSet True Flow Series hemodialysis bloodlines are designed to deliver accurate blood flow from the beginning to the end of the hemodialysis treatment. CombiSet True Flow bloodlines are made with specially blended polymers and advanced extrusion technology to withstand the stresses of hemodialysis treatment, while delivering blood to the dialyzer at an accurate and consistent rate. Designed to perform optimally with our 2008 series machines, our bloodlines are used during treatments for a wide range of patient and clinical needs.

- Specialty CombiSet— CombiSet SMARTECH® Integrated Bloodline
- 2600 Series CombiSet
- 2700 Series CombiSet
- Specialty CombiSet Blood Volume Monitoring
- Specialty CombiSet Home Hemodialysis
- Specialty CombiSet Single Needle
- Specialty CombiSet Low Volume
- Specialty CombiSet Additional Venous Injection Site
- Bloodline Ancillaries

Bloodlines

CLiC™ Blood Chamber
+ CombiSet Bloodline
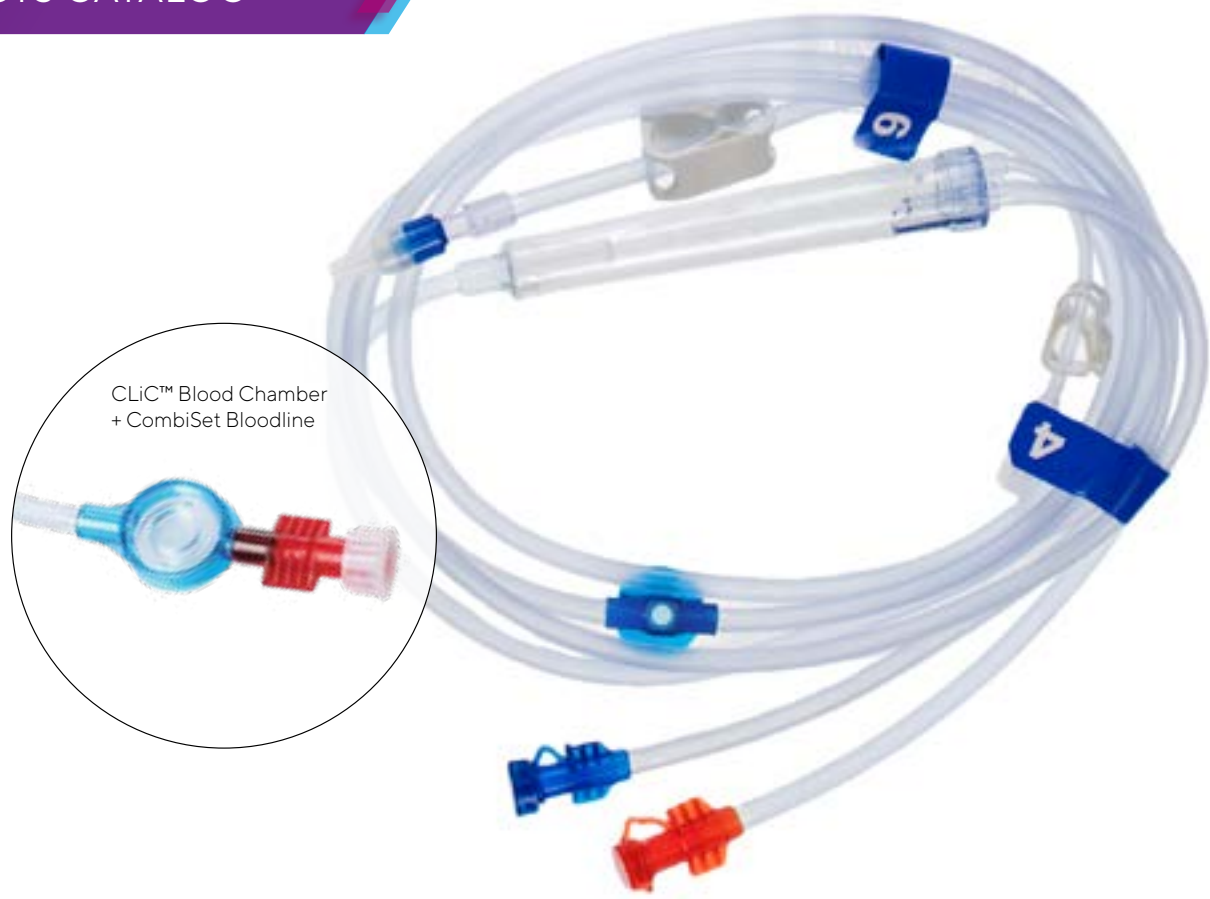
Specialty CombiSet—CombiSet SMARTECH Integrated Bloodline

Part Number	Description	Unit	Sets Per Case	Pump Segment		Priming Volume	
				Width (mm)	Length (in)	Arterial (cc)	Venous (cc)
03-2722-9C	CombiSet SMARTECH with heparin line	Case	24	8	13.5	94	62
03-2742-9C	CombiSet SMARTECH without heparin line	Case	24	8	13.5	94	62

Bloodlines
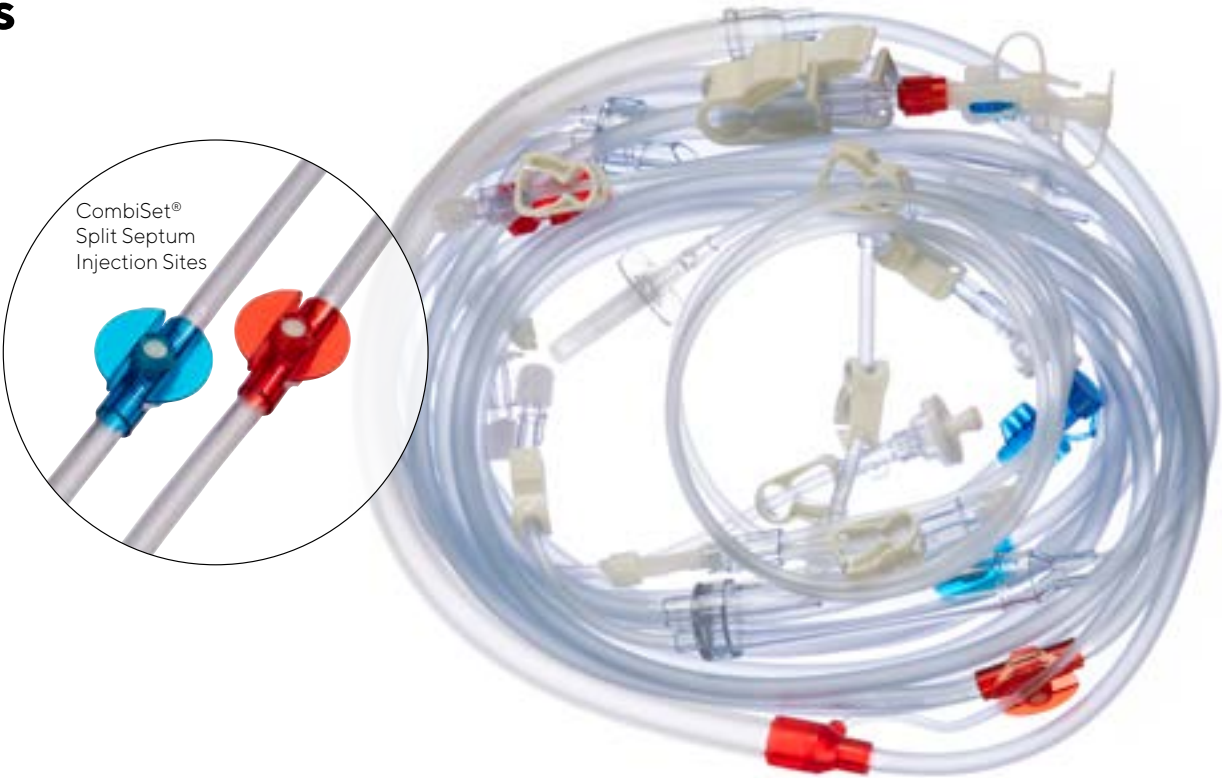
CombiSet®
Split Septum
Injection Sites

2600 Series CombiSet®

Includes split-septum injection site, viral-retentive transducer protectors, and stand-alone priming set with needleless access port.

Part Number	Description	Unit	Sets Per Case	Pump Segment	
				Width (mm)	Length (in)
03-2621-5	2008® Series 8 mm Post-pump Bloodline	Case	24	8	14
03-2622-3	2008 Series 8 mm Pre-pump Bloodline	Case	24	8	14
03-2630-6	2008 Series 6.35 mm Pre-pump Bloodline	Case	24	6.35	14
03-2631-4	2008 Series 6.35 mm Post-pump Bloodline	Case	24	6.35	14

Bloodlines

Twister Reverse Flow Device

2700 Series CombiSet

Includes split-septum injection site, viral-retentive transducer protectors and bonded priming set with needleless access port and Y-injection site bonded to arterial line.

Part Number	Description	Unit	Sets Per Case	Pump Segment	
				Width (mm)	Length (in)
03-2722-9	2008® Series 8 mm Pre-pump Bloodline	Case	24	8	14
03-2742-9	2008 Series 8 mm Pre-pump Bloodline, No Heparin Line	Case	24	8	14
03-2794-0	2008 Series 8 mm Pre-pump Bloodline with Twister® Reverse Flow Device	Case	24	8	14

Bloodlines
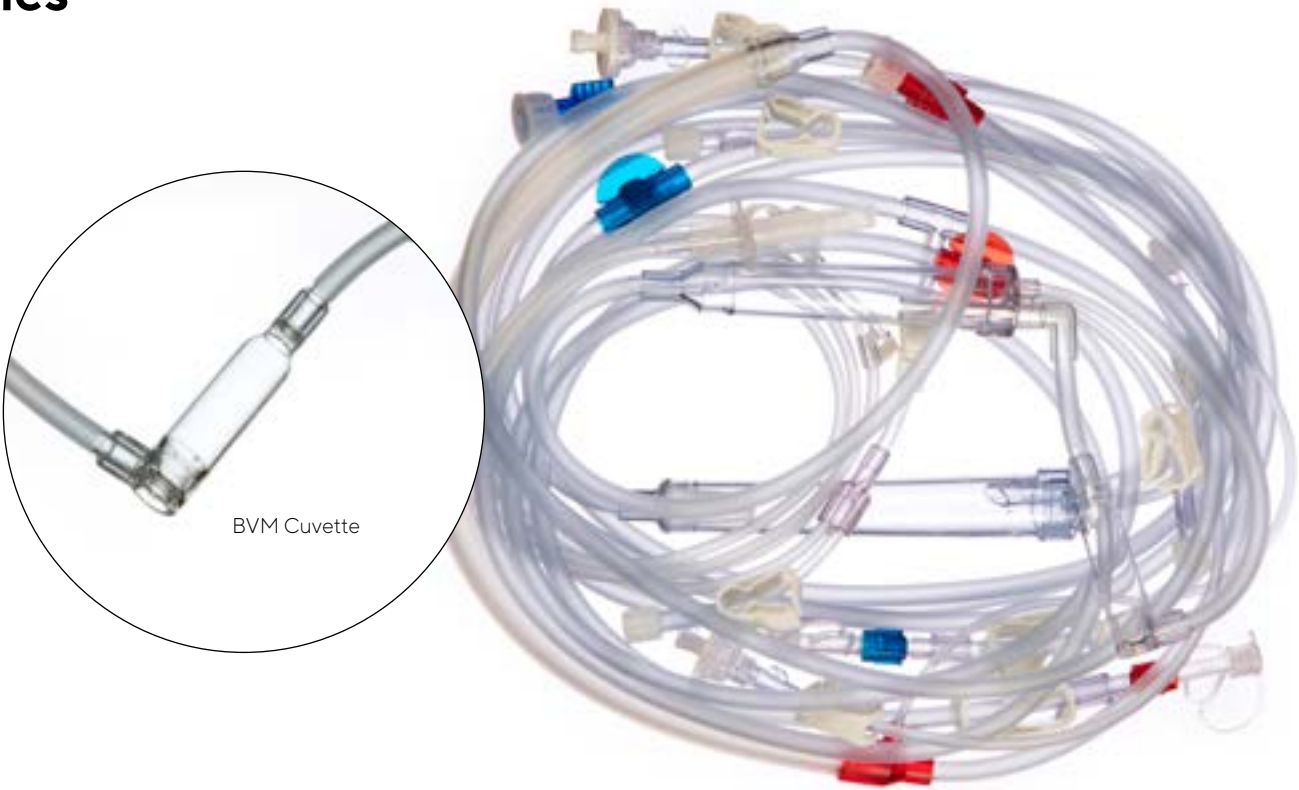
BVM Cuvette

Specialty CombiSet—Blood Volume Monitoring

Part Number	Description	Unit	Sets Per Case	Pump Segment	
				Width (mm)	Length (in)
03-2795-7	2008 Series 8 mm BVM Bloodline	Case	24	8	14

Bloodlines

Specialty CombiSet—Home Hemodialysis (with Prime Bag)

Part Number	Description	Unit	Sets Per Case	Pump Segment	
				Width (mm)	Length (in)
03-2932-6	2008® Series 8 mm Home Hemodialysis with Prime Bag	Case	24	8	14
03-2962-3	2008 Series 8 mm Home Hemodialysis with Prime Bag	Case	24	8	14

For more information, including Indications, Safety, and Warnings, visit **https://fmcna.com/products/indications-safety-and-warnings/**   To place an order, call 1-800-323-5188

Bloodlines

Single Needle
Compliance
Chamber
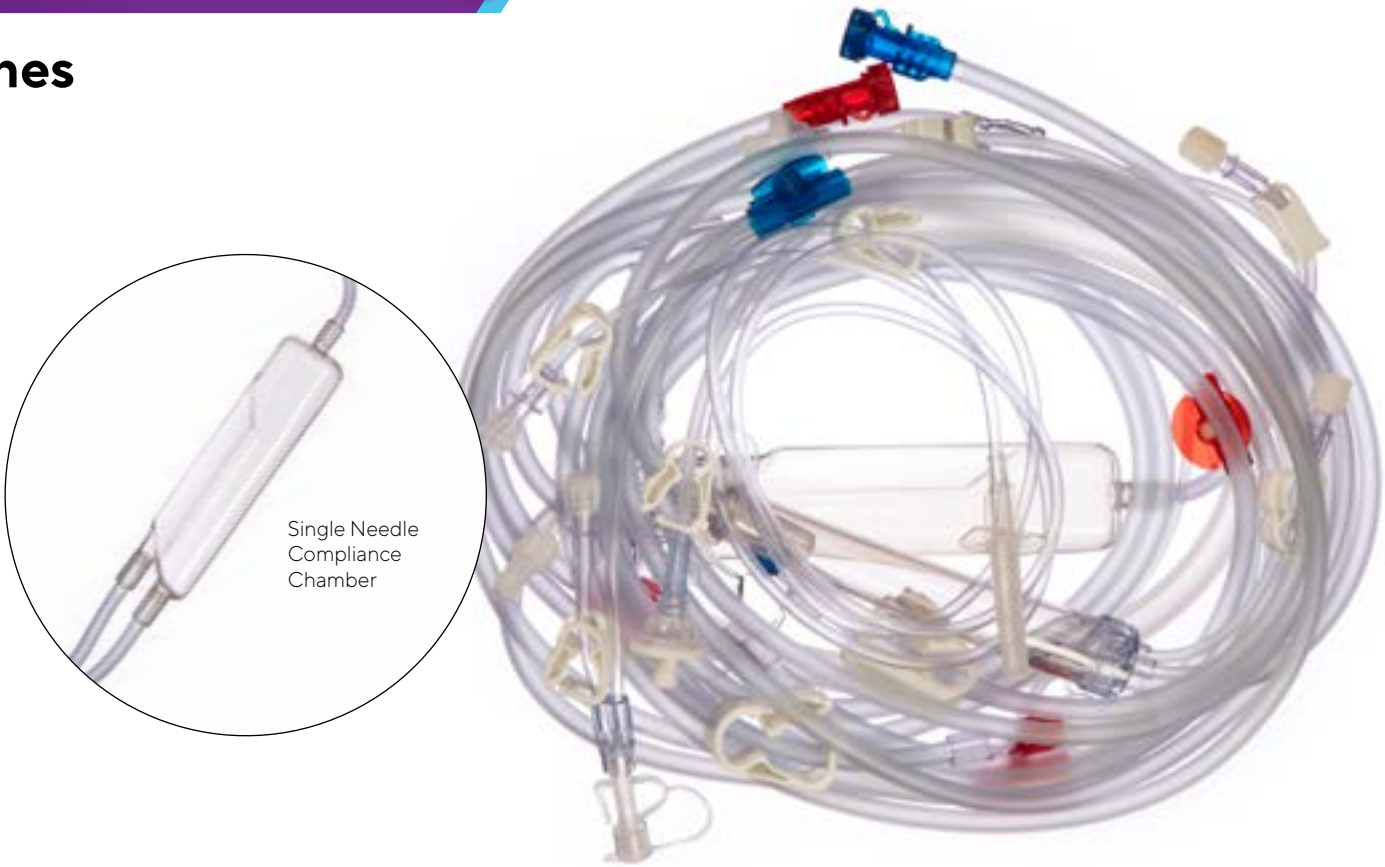
Specialty CombiSet—Single Needle

Part Number	Description	Unit	Sets Per Case	Pump Segment	
				Width (mm)	Length (in)
03-2696-7	2008® Series 8 mm Single Needle Bloodline	Case	20	8	14

Bloodlines

Low Volume
Venous Chamber

Specialty CombiSet—Low Volume

Part Number	Description	Unit	Sets Per Case	Pump Segment	
				Width (mm)	Length (in)
03-2692-6	2008® Series 6.35 mm Low Volume Pre-pump Bloodline	Case	12	6.35	14

Specialty CombiSet—Additional Venous Injection Site

Part Number	Description	Unit	Sets Per Case	Pump Segment	
				Width (mm)	Length (in)
03-2922-7	2008 Series 8 mm Pre-pump Bloodline with Second Venous Injection Site. Longer Tubing Length Between Drip Chamber and Pump Segment	Case	24	8	14

Bloodlines Ancillaries

Transducer Protectors

HemaClip™ Bloodline Connector

Bloodline Ancillaries

Part Number	Description
04-9006-5	Priming Set for Arterial Bloodlines, with Needleless Access Port. 100 Per Case, EtO Sterilized
04-9100-1	HemaClip Bloodline Connector, for Use Only with CombiSet® Bloodlines. 400 Per Case, Non-Sterile
04-9500-2	Transducer Protectors, Viral-retentive Membranes. Bulk Pack, 100 Per Bag, EtO Sterilized
04-9502-8	Recirculation Connector, Individually Wrapped. 200 Per Case, Sterile
35-8181-6	Recirculation Connector, Individually Wrapped. 100 Per Bag, Sterile
M8-5007	MEDIC® Plastic Antistick Needle. 1000 Per Case, Sterile

Concentrates

Fresenius Renal Technologies has been a leading supplier of hemodialysis concentrates for over 20 years by offering a complete range of acid and bicarbonate concentrates to meet patients' needs. We continue to offer technological innovations to the market by providing products such as citric-based acid concentrate as well as traditional acetic-based acid concentrate. bi*bag* on-line dry bicarbonate concentrate is an efficient way to deliver bicarbonate. However, we also provide single and multi-treatment bicarbonate powder as well as liquid sodium bicarbonate.

Liquid Acid Cases

▶ NaturaLyte

▶ Citrasate

Liquid Acid Drums

▶ NaturaLyte

▶ Citrasate

Dry Acid

▶ GranuFlo

▶ Citrasate DRY

▶ Dissolution Units

Bicarbonate

▶ NaturaLyte Dry Bicarbonate

▶ Liquid Sodium Bicarbonate

▶ bi*bag* On-line Dry Bicarbonate

Concentrates

NaturaLyte® Liquid Acid Concentrate (Cases)

Acetic Acid Based - 45X Proportioning, 0.905 Gallons (3.43 Liters) Per Bottle

Part Number	Description	Unit	Bottles / Case	K (mEq/L)	Ca (mEq/L)	Mg (mEq/L)	Cl (mEq/L)	Dextrose (mg/dL)	Na (mEq/L)	Acetate (mEq/L)	Citrate (mEq/L)
08-0231-4	NaturaLyte Liquid Bottle 0K, 2.25Ca, 1Mg	Case	4	0	2.25	1.0	103.25	100	100	4.0	N/A
08-1001-0	NaturaLyte Liquid Bottle 1K, 0.0Ca, 1Mg	Case	4	1	0.00	1.0	102.00	100	100	4.0	N/A
08-1201-8	NaturaLyte Liquid Bottle 1K, 2.0Ca, 1Mg	Case	4	1	2.00	1.0	104.00	100	100	4.0	N/A
08-1231-3	NaturaLyte Liquid Bottle 1K, 2.25Ca, 1Mg	Case	4	1	2.25	1.0	104.25	100	100	4.0	N/A
08-1251-1	NaturaLyte Liquid Bottle 1K, 2.5Ca, 1Mg	Case	4	1	2.50	1.0	104.50	100	100	4.0	N/A
08-1301-4	NaturaLyte Liquid Bottle 1K, 3.0Ca, 1Mg	Case	4	1	3.00	1.0	105.00	100	100	4.0	N/A
08-2201-5	NaturaLyte Liquid Bottle 2K, 2.0Ca, 1Mg	Case	4	2	2.00	1.0	105.00	100	100	4.0	N/A
08-2231-2	NaturaLyte Liquid Bottle 2K, 2.25Ca, 1Mg	Case	4	2	2.25	1.0	105.25	100	100	4.0	N/A
08-2251-0	NaturaLyte Liquid Bottle 2K, 2.5Ca, 1Mg	Case	4	2	2.50	1.0	105.50	100	100	4.0	N/A
08-2301-3	NaturaLyte Liquid Bottle 2K, 3.0Ca, 1Mg	Case	4	2	3.00	1.0	106.00	100	100	4.0	N/A
08-2351-8	NaturaLyte Liquid Bottle 2K, 3.5Ca, 1Mg	Case	4	2	3.50	1.0	106.50	100	100	4.0	N/A
08-3201-4	NaturaLyte Liquid Bottle 3K, 2.0Ca, 1Mg	Case	4	3	2.00	1.0	106.00	100	100	4.0	N/A
08-3231-1	NaturaLyte Liquid Bottle 3K, 2.25Ca, 1Mg	Case	4	3	2.25	1.0	106.25	100	100	4.0	N/A
08-3251-9	NaturaLyte Liquid Bottle 3K, 2.5Ca, 1Mg	Case	4	3	2.50	1.0	106.50	100	100	4.0	N/A
08-3301-2	NaturaLyte Liquid Bottle 3K, 3.0Ca, 1Mg	Case	4	3	3.00	1.0	107.00	100	100	4.0	N/A
08-4231-0	NaturaLyte Liquid Bottle 4K, 2.25Ca, 1Mg	Case	4	4	2.25	1.0	107.25	100	100	4.0	N/A

Concentrates

Citrasate® Liquid Acid Concentrate (Cases)

Citric Acid Based - 45X Proportioning, 1 Gallon (3.78 Liters) Per Bottle

Part Number	Description	Unit	Bottles / Case	K (mEq/L)	Ca (mEq/L)	Mg (mEq/L)	Cl (mEq/L)	Dextrose (mg/dL)	Na (mEq/L)	Acetate (mEq/L)	Citrate (mEq/L)
08-1251-CA	Citrasate Liquid Bottle 1K, 2.5Ca, 1Mg	Case	4	1	2.50	1.0	104.50	100	100.3	0.3	2.4
08-2251-CA	Citrasate Liquid Bottle 2K, 2.5Ca, 1Mg	Case	4	2	2.50	1.0	105.50	100	100.3	0.3	2.4
08-3251-CA	Citrasate Liquid Bottle 3K, 2.5Ca, 1Mg	Case	4	3	2.50	1.0	106.50	100	100.3	0.3	2.4

Concentrates

NaturaLyte® Liquid Acid Concentrate (Drums)
Acetic Acid Based - 45X Proportioning, 55 gallons (208.2 Liters) Per Drum

Part Number	Description	Unit	K (mEq/L)	Ca (mEq/L)	Mg (mEq/L)	Cl (mEq/L)	Dextrose (mg/dL)	Na (mEq/L)	Acetate (mEq/L)	Citrate (mEq/L)
13-1251-1	NaturaLyte Liquid Drum 1K, 2.5Ca, 1Mg	Drum	1	2.50	1.0	104.50	100	100	4.0	N/A
13-2201-5	NaturaLyte Liquid Drum 2K, 2.0Ca, 1Mg	Drum	2	2.00	1.0	105.00	100	100	4.0	N/A
13-2231-2	NaturaLyte Liquid Drum 2K, 2.25Ca, 1Mg	Drum	2	2.25	1.0	105.25	100	100	4.0	N/A
13-2251-0	NaturaLyte Liquid Drum 2K, 2.5Ca, 1Mg	Drum	2	2.50	1.0	105.50	100	100	4.0	N/A
13-3231-1	NaturaLyte Liquid Drum 2K, 2.25Ca, 1Mg	Drum	3	2.25	1.0	106.25	100	100	4.0	N/A
13-3251-9	NaturaLyte Liquid Drum 3K, 2.5Ca, 1Mg	Drum	3	2.50	1.0	106.50	100	100	4.0	N/A

Citrasate Liquid Acid Concentrate (Drums)
Citric Acid Based - 45X Proportioning, 55 gallons (208.2 Liters) Per Drum

Part Number	Description	Unit	K (mEq/L)	Ca (mEq/L)	Mg (mEq/L)	Cl (mEq/L)	Dextrose (mg/dL)	Na (mEq/L)	Acetate (mEq/L)	Citrate (mEq/L)
13-1251-CA	Citrasate Liquid Drum 1K, 2.5Ca, 1Mg	Drum	1	2.50	1.0	104.50	100	100.3	0.3	2.4
13-2251-CA	Citrasate Liquid Drum 2K, 2.5Ca, 1Mg	Drum	2	2.50	1.0	105.50	100	100.3	0.3	2.4
13-3251-CA	Citrasate Liquid Drum 3K, 2.5Ca, 1Mg	Drum	3	2.50	1.0	106.50	100	100.3	0.3	2.4

Concentrates

GranuFlo® Dry Acid Concentrate (Cases)

Acetic Acid Based (GranuFlo acetate is sodium acetate 4.0 mEq/L and acetic acid 4.0 mEq/L) - 45X Proportioning, 16.5 Gallons (62.46 Liters) Per Case

Part Number	Description	Unit	Bags / Case	K (mEq/L)	Ca (mEq/L)	Mg (mEq/L)	Cl (mEq/L)	Dextrose (mg/dL)	Na (mEq/L)	Acetate (mEq/L)	Citrate (mEq/L)
0FD1251-3B	GranuFlo Dry Acid Case 1K, 2.5Ca, 1Mg	Case	3	1	2.50	1.0	100.50	100	100	8.0	N/A
0FD2201-3B	GranuFlo Dry Acid Case 2K, 2.0Ca, 1Mg	Case	3	2	2.00	1.0	101.00	100	100	8.0	N/A
0FD2231-3B	GranuFlo Dry Acid Case 2K, 2.25Ca, 1Mg	Case	3	2	2.25	1.0	101.25	100	100	8.0	N/A
0FD2251-3B	GranuFlo Dry Acid Case 2K, 2.5Ca, 1Mg	Case	3	2	2.50	1.0	101.50	100	100	8.0	N/A
0FD2301-3B	GranuFlo Dry Acid Case 2K, 3.0Ca, 1Mg	Case	3	2	3.00	1.0	102.00	100	100	8.0	N/A
0FD3201-3B	GranuFlo Dry Acid Case 3K, 2.0Ca, 1Mg	Case	3	3	2.00	1.0	102.00	100	100	8.0	N/A
0FD3231-3B	GranuFlo Dry Acid Case 3K, 2.25Ca, 1Mg	Case	3	3	2.25	1.0	102.25	100	100	8.0	N/A
0FD3251-3B	GranuFlo Dry Acid Case 3K, 2.5Ca, 1Mg	Case	3	3	2.50	1.0	102.50	100	100	8.0	N/A
0FD3301-3B	GranuFlo Dry Acid Case 3K, 3.0Ca, 1Mg	Case	3	3	3.00	1.0	103.00	100	100	8.0	N/A

Concentrates

Citrasate DRY—Dry Acid Concentrate (Cases)

Citric Acid Based - 45X Proportioning, 16.5 Gallons (62.46 Liters) Per Case

Part Number	Description	Unit	Bags / Case	K (mEq/L)	Ca (mEq/L)	Mg (mEq/L)	Cl (mEq/L)	Dextrose (mg/dL)	Na (mEq/L)	Acetate (mEq/L)	Citrate (mEq/L)
0FD1231-DA	Citrasate Dry Acid Case 1K, 2.25Ca, 1Mg	Case	4	1	2.25	1.0	104.25	100	100.3	0.3	2.4
0FD1251-DA	Citrasate Dry Acid Case 1K, 2.5Ca, 1Mg	Case	4	1	2.50	1.0	104.50	100	100.3	0.3	2.4
0FD2231-DA	Citrasate Dry Acid Case 2K, 2.25Ca, 1Mg	Case	4	2	2.25	1.0	105.25	100	100.3	0.3	2.4
0FD2251-DA	Citrasate Dry Acid Case 2K, 2.5Ca, 1Mg	Case	4	2	2.50	1.0	105.50	100	100.3	0.3	2.4
0FD2301-DA	Citrasate Dry Acid Case 2K, 3.0Ca, 1Mg	Case	4	2	3.00	1.0	106.00	100	100.3	0.3	2.4
0FD3231-DA	Citrasate Dry Acid Case 3K, 2.25Ca, 1Mg	Case	4	3	2.25	1.0	106.25	100	100.3	0.3	2.4
0FD3251-DA	Citrasate Dry Acid Case 3K, 2.5Ca, 1Mg	Case	4	3	2.50	1.0	106.50	100	100.3	0.3	2.4
0FD3301-DA	Citrasate Dry Acid Case 3K, 3.0Ca, 1Mg	Case	4	3	3.00	1.0	107.00	100	100.3	0.3	2.4

Dry Acid Dissolution Units

Part Number	Description	Diameter	Width	Height	Weight (Empty)	Weight (Full)
160147	Dry Acid Dissolution Unit, 132 Gallons	55 inches	36 inches	60 inches	395 lbs	1,775 lbs
160148	Dry Acid Dissolution Unit, 99 Gallons	50 inches	28 inches	56 inches	200 lbs	1,025 lbs

Concentrates

NaturaLyte Bicarbonate Concentrate

Liquid Sodium Bicarbonate Concentrate

bibag On-line Dry Bicarbonate Concentrate

NaturaLyte® Bicarbonate Concentrate 45X Proportioning

Part Number	Description	Unit	Qty/Unit	Gallons/Unit	Packaging	Contents
08-4400-1	NaturaLyte Dry Bicarbonate Carton 2.1 Gallons	Case	12	25.2	1 Carton Yields 2.1 Gallons	650 gm Sodium Bicarbonate/Carton
08-4110-6	NaturaLyte Dry Bicarbonate Bag 15.85 Gallons	Bag	1	15.85	1 Bag Yields 15.85 Gallons	4,875 gm Sodium Bicarbonate/Bag
08-4112-2	NaturaLyte Dry Bicarbonate Bag 25.4 Gallons	Bag	1	25.4	1 Bag Yields 25.4 Gallons	7,807 gm Sodium Bicarbonate/Bag

Liquid Sodium Bicarbonate Concentrate 45X Proportioning

Part Number	Description	Unit	Qty/Unit	Gallons/Unit	Packaging	Contents
08-67753-0	Minntech Centrisol Liquid Bicarbonate Bottle	Case	4	4	1 Bottle Contains 1 Gallon (3.78 L)	81.25 gm/L Sodium Bicarbonate

bibag® On-line Dry Bicarbonate Concentrate* 45X Proportioning

Part Number	Description	Unit	Qty/Unit	Contents
08-4078-BB	bibag On-line Dry Bicarbonate 650 gram Bag	Case	16	650 gm Sodium Bicarbonate
08-4080-BB	bibag On-line Dry Bicarbonate 900 gram Bag	Case	12	900 gm Sodium Bicarbonate

For more information, including Indications, Safety, and Warnings, visit **https://fmcna.com/products/indications-safety-and-warnings/**   To place an order, call 1-800-323-5188

Saline

Normal (0.9% NaCl) Saline plays an integral role in dialysis treatments and is normally used to maintain liquid volume in the blood. It also is used to wet the blood circuit during hemodialysis and, near the end of the treatment, it is used to push the blood back into the patient.

Saline

Saline

Part Number	Description	Unit	Bags/Case	NDC # (USA)	NDC # (Mexico)
060-10109	Saline, 0.9%, 1000 mL	Case	12	49230-300-10	46163-300-10

For more information, including Indications, Safety, and Warnings, visit **https://fmcna.com/products/indications-safety-and-warnings/**   To place an order, call 1-800-323-5188

Reverse Osmosis Water Systems

The AquaB*plus*™ and AquaC UNO H™ use reverse osmosis to remove organic and inorganic substances and microbial contaminants from the water required for hemodialysis and other therapies. Both feature-rich systems include remote monitoring capabilities and system safety self-test routines at every power-up to ensure that they promote hygienic conditions in the entire fluid path up to the dialysis machine input. These systems are backed by the support and educational resources physicians and clinicians need.

▶ Aqua RO Water Treatment Systems

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Reverse Osmosis Water Systems

Aqua RO Water Treatment Systems

Part Number	Description		
24-0501-1	AquaB*plus* 500	Single Stage RO Only	Equipment
24-1001-1	AquaB*plus* 1000	Single Stage RO Only	Equipment
24-1501-1	AquaB*plus* 1500	Single Stage RO Only	Equipment
24-2001-1	AquaB*plus* 2000	Single Stage RO Only	Equipment
24-2501-1	AquaB*plus* 2500	Single Stage RO Only	Equipment
24-3001-1	AquaB*plus* 3000	Single Stage RO Only	Equipment
24-0501-0	AquaB*plus* B2 500	Double Stage RO Only	Equipment
24-1001-0	AquaB*plus* B2 1000	Double Stage RO Only	Equipment
24-1501-0	AquaB*plus* B2 1500	Double Stage RO Only	Equipment
24-2001-0	AquaB*plus* B2 2000	Double Stage RO Only	Equipment
24-2501-0	AquaB*plus* B2 2500	Double Stage RO Only	Equipment
24-00HF-0	HF	Heat Disinfection unit only	Ancillary Equipment
F00003313	Option Ringunit advanced 1 ring	RO Central	AquaB*plus* Ancillary
F00003314	AquaB*plus* Option "Ring Unit Advanced," 2 rings	RO Central	AquaB*plus* Ancillary
F00006167	The Hook - MSC	RO Central	AquaB*plus* Ancillary
F00006456	Fluid Fly Loop 2x2m Coup Probe	RO Central	AquaB*plus* Ancillary
F00006457	Fluid Fly Loop 2x2m Coupling	RO Central	AquaB*plus* Ancillary
F00010216	Closure nipple NW 6 - DN 6 - D=10	RO Central	AquaB*plus* Ancillary
6325111	VIV-ClipHalfPipe 3m InstallationMaterial	RO Central	AquaB*plus* Ancillary

Reverse Osmosis Water Systems

Aqua RO Water Treatment Systems cont.

Part Number	Description		
24-05IN-0	Install Material 5 Station	Install & Loop Material Only	Ancillary Equipment
24-10IN-0	Install Material 10 Station	Install & Loop Material Only	Ancillary Equipment
24-20IN-0	Install Material 20 Station	Install & Loop Material Only	Ancillary Equipment
24-30IN-0	Install Material 30 Station	Install & Loop Material Only	Ancillary Equipment
24-40IN-0	Install Material 40 Station	Install & Loop Material Only	Ancillary Equipment
24-50IN-0	Install Material 50 Station	Install & Loop Material Only	Ancillary Equipment
24-0479-0	Softener Portable including Salt Tablet Kit	Portable Softener only	Ancillary Equipment
24-GWIN-0	Gateway, without housing, without GSM Module	Gateway Only	Ancillary Equipment
24-10VA-1	Vivonic Portable RO 1000VA	Aqua C UNO only	Equipment
24-0970-1	Vivonic Portable RO 1700VA	Aqua C UNO only	Equipment

Fistula Needles

Fistula needles are the crucial link between the patient and the dialysis machine, requiring quality, safety, and comfort.

MasterGuard Fistula Needles

▶ Buttonhole Needles

▶ Sharp AV Fistula Needles Twin Pack

▶ Sharp AV Fistula Needles Single Pack

▶ Sharp AV Fistula Needles Rotatable Hub

▶ Ancillaries

Fistula Needles

▶ JMS WingEater

▶ JMS SysLoc

▶ JMS SysLoc MINI

▶ JMS Harmony (Blunt Needle)

▶ JMS Non-Safety

▶ Nipro Tulip

▶ Nipro SafeTouch II

▶ Nipro BioHole (Blunt Needle)

MasterGuard® Fistula Needles

Buttonhole Needles

Product Code	Quantity Per Case	Description
BH-2004PE	250	Dull Needle 14G X 1" BE CL 12" tubing
BH-2005PE	250	Dull Needle 15G X 1" BE CL 12" tubing
BH-2006PE	250	Dull Needle 16G X 1" BE CL 12" tubing
BH-2007PE	250	Dull Needle 17G X 1" BE CL 12" tubing
BH-2035PE	250	Dull Needle 15G X 3/5" BE CL 12" tubing
BH-4005PE	250	Dull Needle 15G X 1" RH BE CL 12"tubing
BH-7004PE	250	Dull Needle 14G X 1" BE CL 12" tubing
BH-7005PE	250	Dull Needle 15G X 1" BE CL 12" tubing
BH-7006PE	250	Buttonhole Needle Set 16G X 1" W/ Steripick, BE, CL, 12" Tubing (Single pack)
BH-7014	250	Buttonhole Needle Set 14G X 1 1/4" BE, CL, 12" Tubing (Single pack)
BH-7015	250	Buttonhole Needle Set 15G X 1 1/4" BE, CL, 12" Tubing (Single pack)
BH-7605PE	200	Buttonhole Needle Set 15G X 1" W/ Steripick, BE, CL, 16" Tubing (Single pack)
BH-7606PE	200	Buttonhole Needle Set 16G X 1" W/ Steripick, BE, CL, 16" Tubing (Single pack)
BH-7615	250	Buttonhole Needle Set 15G X 1 1/4" BE, CL, 16" Tubing (Single pack)

Sharp AV Fistula Needles Twin Pack

Product Code	Quantity Per Case	Description
D9-2004MGP	250	AVF Needle 14G X 1" W/MGP, BE, CL, 12" Tubing
D9-2005MGP	250	AVF Needle 15G X 1" W/MGP, BE, CL, 12" Tubing
D9-2005MGPLB	250	AVF Needle 15G X 1" W/MGP, BE, CL, 12" Tubing, Long Bevel
D9-2006MGP	250	AVF Needle 16G X 1" W/MGP, BE, CL, 12" Tubing
D9-2006MGPLB	250	AVF Needle 16G X 1" W/MGP, BE, CL, 12" Tubing, Long Bevel
D9-2007MGP	250	AVF Needle 17G X 1" W/MGP, BE, CL, 12" Tubing
D9-2007MGPLB	250	AVF Needle 17G X 1" W/MGP, BE, CL, 12" Tubing, Long Bevel
D9-2015MGP	250	AVF Needle 15G X 1 1/4" W/MGP, BE, CL, 12" Tubing
D9-6005MGP	250	AVF Needle 15G X 1" W/MGP, BE, CL, RH, 12" Tubing

MasterGuard Fistula Needles

Sharp AV Fistula Needles Single Pack

Product Code	Quantity Per Case	Description
S9-7004MGP	250	AVF Needle 14G X 1" W/MGP, BE, CL, 12" Tubing
S9-7005MGP	250	AVF Needle 15G X 1" W/MGP, BE, CL, 12" Tubing
S9-7005MGPLB	250	AVF Needle 15G X 1" W/MGP, BE, CL, 12" Tubing, Long Bevel
S9-7006MGP	250	AVF Needle 16G X 1" W/MGP, BE, CL, 12" Tubing
S9-7006MGPLB	250	AVF Needle 16G X 1" W/MGP, BE, CL, 12" Tubing, Long Bevel
S9-7007MGP	250	AVF Needle 17G X 1" W/MGP, BE, CL, 12" Tubing
S9-7014MGP	250	AVF Needle 14G X 1 1/4" W/MGP, BE, CL, 12" Tubing
S9-7015MGP	250	AVF Needle 15G X 1 1/4" W/MGP, BE, CL, 12" Tubing
S9-7016MGP	250	AVF Needle 16G X 1 1/4" W/MGP, BE, CL, 12" Tubing
S9-7017MGP	250	AVF Needle 17G X 1 1/4" W/MGP, BE, CL, 12" Tubing
S9-7435MGP	250	AVF Needle 15G X 3/5" W/MGP, BE, CL, 8" Tubing
S9-7436MGP	250	AVF Needle 16G X 3/5" W/MGP, BE, CL, 8" Tubing
S9-7437MGP	250	AVF Needle 17G X 3/5" W/MGP, BE, CL, 8" Tubing
S9-7605MGP	200	AVF Needle 15G X 1 W/MGP, BE, CL, 16" Tubing

Sharp AV Fistula Needles Rotatable Hub

Product Code	Quantity Per Case	Description
S9-4005MGP	250	AVF Needle 15G X 1" W/MGP, BE, CL, RH, 12" Tubing
S9-4006MGP	250	AVF Needle 16G X 1" W/MGP, BE, CL, RH, 12" Tubing
S9-4007MGP	250	AVF Needle 17G X 1" W/MGP, BE, CL, RH, 12" Tubing
S9-4015MGP	250	AVF Needle 15G X 1 1/4" W/MGP, BE, CL, RH, 12" Tubing

Ancillaries

Product Code	Quantity Per Case	Description
M8-5007	1,000	Medic Anti-Stick Needle/Connector
M8-2006	100	Viraguard® Viral Blocking Patient-Transducer Protectors for Hemodialysis
M8-9001E	80	Reverso Clamp Flow Reverser

Fistula Needles

JMS WingEater

JMS WingEater

Part Number	Manufacturer	Single or Twin	Gauge	Cannula Length (Inches)	Wing	Slit	Tube Length (Inches)	Clamp	Scab Removal	Stocked or Drop Ship	Base UOM	Eaches per Base UOM
820-1476-33	JMS	Single	14	1	Fixed	Backeye	12	Yes	N/A	Stocked	CS	250
820-1844-33	JMS	Single	18	1	Fixed	Backeye	12	Yes	N/A	Drop Ship	CS	250
820-5002-33	JMS	Single	15	1	Fixed	Backeye	12	Yes	N/A	Stocked	CS	250
820-5006-33	JMS	Single	15	1.25	Fixed	Backeye	12	Yes	N/A	Stocked	CS	250
820-6013-33	JMS	Single	16	1	Fixed	Backeye	12	Yes	N/A	Stocked	CS	250
820-6014-33	JMS	Single	16	1.25	Fixed	Backeye	12	Yes	N/A	Stocked	CS	250
820-7001-33	JMS	Single	17	1	Fixed	Backeye	12	Yes	N/A	Stocked	CS	250
820-7005-33	JMS	Single	17	1.25	Fixed	Backeye	12	Yes	N/A	Stocked	CS	250
820-2402-33	JMS	Twin	14	1	Fixed	Arterial - Backeye Venous - Regular	12	Arterial - Red Venous - Blue	N/A	Stocked	CS	400
820-2531-33	JMS	Twin	15	1	Fixed	Arterial - Backeye Venous - Regular	12	Arterial - Red Venous - Blue	N/A	Stocked	CS	400
820-2632-33	JMS	Twin	16	1	Fixed	Arterial - Backeye Venous - Regular	12	Arterial - Red Venous - Blue	N/A	Stocked	CS	400
820-2717-33	JMS	Twin	17	1	Fixed	Arterial - Backeye Venous - Regular	12	Arterial - Red Venous - Blue	N/A	Stocked	CS	400

For more information, including Indications, Safety, and Warnings, visit **https://fmcna.com/products/indications-safety-and-warnings/**   To place an order, call 1-800-323-5188

Fistula Needles

JMS SysLoc

JMS SysLoc MINI

JMS SysLoc

Part Number	Manufacturer	Single or Twin	Gauge	Cannula Length (Inches)	Wing	Slit	Tube Length (Inches)	Clamp	Scab Removal	Stocked or Drop Ship	Base UOM	Eaches per Base UOM
824-1502-33	JMS	Single	15	1.25	Rotating Hub	Backeye	12	Yes	N/A	Stocked	CS	300
824-1602-33	JMS	Single	16	1.25	Rotating Hub	Backeye	12	Yes	N/A	Stocked	CS	300

JMS SysLoc MINI

Part Number	Manufacturer	Single or Twin	Gauge	Cannula Length (Inches)	Wing	Slit	Tube Length (Inches)	Clamp	Scab Removal	Stocked or Drop Ship	Base UOM	Eaches per Base UOM
864-1400-33	JMS	Single	14	1	Rotating Hub	Backeye	12	Yes	N/A	Stocked	CS	300
864-1500-33	JMS	Single	15	1	Rotating Hub	Backeye	12	Yes	N/A	Stocked	CS	300
864-1600-33	JMS	Single	16	1	Rotating Hub	Backeye	12	Yes	N/A	Stocked	CS	300
864-1700-33	JMS	Single	17	1	Rotating Hub	Backeye	12	Yes	N/A	Stocked	CS	300

To place an order, call 1-800-323-5188

Fistula Needles

JMS Harmony (Blunt Needle)

JMS Harmony (Blunt Needle)

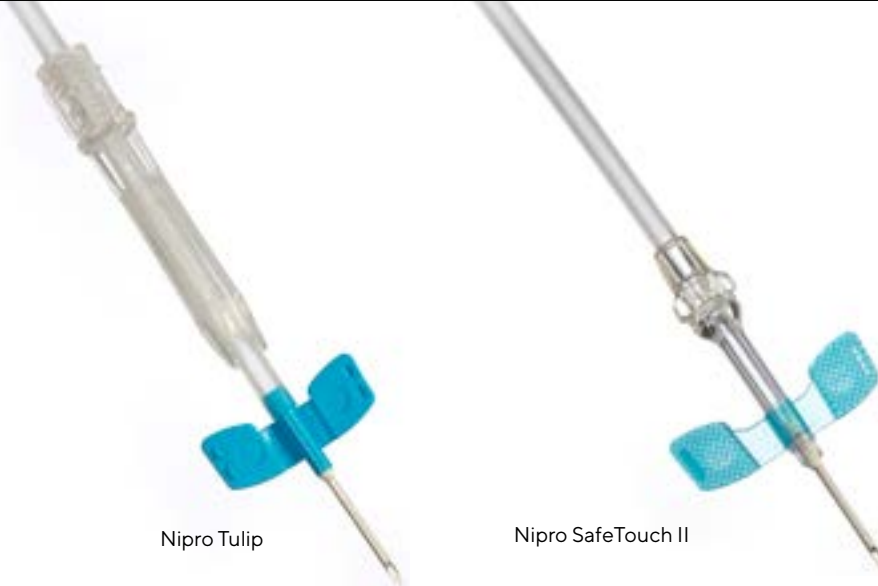| Part Number	Manufacturer	Single or Twin	Gauge	Cannula Length (Inches)	Wing	Slit	Tube Length (Inches)	Clamp	Scab Removal	Stocked or Drop Ship	Base UOM	Eaches per Base UOM
827-1400-33	JMS	Single	14	1	Fixed	Backeye	12	Yes	Yes	Stocked	CS	300
827-1402-33	JMS	Single	14	1	Fixed	Backeye	16	Yes	Yes	Drop Ship	CS	200
827-1500-33	JMS	Single	15	1	Fixed	Backeye	12	Yes	Yes	Stocked	CS	300
827-1503-33	JMS	Single	15	1	Fixed	Backeye	16	Yes	Yes	Drop Ship	CS	200
827-1600-33	JMS	Single	16	1	Fixed	Backeye	12	Yes	Yes	Stocked	CS	300
827-1603-33	JMS	Single	16	1	Fixed	Backeye	16	Yes	Yes	Drop Ship	CS	200
827-1700-33	JMS	Single	17	1	Fixed	Backeye	12	Yes	Yes	Stocked	CS	300

Fistula Needles

JMS Non-Safety

JMS Non-Safety

Part Number	Manufacturer	Single or Twin	Gauge	Cannula Length (Inches)	Wing	Slit	Tube Length (Inches)	Clamp	Scab Removal	Stocked or Drop Ship	Base UOM	Eaches per Base UOM
820-1590	JMS	Single	15	1.25	Fixed	Backeye	12	Yes	N/A	Stocked	BX	50
820-3500	JMS	Single	15	1	Fixed	Backeye	4	Yes	N/A	Stocked	BX	50
823-1701	JMS	Single	17	1	Rotating Hub	Backeye	12	Yes	N/A	Stocked	BX	50

Fistula Needles

Nipro Tulip

Nipro SafeTouch II

Nipro Tulip

Part Number	Manufacturer	Single or Twin	Gauge	Cannula Length (Inches)	Wing	Slit	Tube Length (Inches)	Clamp	Scab Removal	Stocked or Drop Ship	Base UOM	Eaches per Base UOM
15-FT14BC-0	NIPRO	Single	14	1	Fixed	Backeye	12	Yes	N/A	Stocked	BX	50
15-FT15BC-0	NIPRO	Single	15	1	Fixed	Backeye	12	Yes	N/A	Stocked	BX	50
15-FT16BC-0	NIPRO	Single	16	1	Fixed	Backeye	12	Yes	N/A	Stocked	BX	50
15-FT17BC-0	NIPRO	Single	17	1	Fixed	Backeye	12	Yes	N/A	Stocked	BX	50

Nipro SafeTouch II

Part Number	Manufacturer	Single or Twin	Gauge	Cannula Length (Inches)	Wing	Slit	Tube Length (Inches)	Clamp	Scab Removal	Stocked or Drop Ship	Base UOM	Eaches per Base UOM
FS-142530BC	NIPRO	Single	14	1	Fixed	Backeye	12	Yes	N/A	Stocked	BX	50
FS-152530BC	NIPRO	Single	15	1	Fixed	Backeye	12	Yes	N/A	Stocked	BX	50
FS-162530BC	NIPRO	Single	16	1	Fixed	Backeye	12	Yes	N/A	Stocked	BX	50
FS-172530BC	NIPRO	Single	17	1	Fixed	Backeye	12	Yes	N/A	Stocked	BX	50

Fistula Needles

Nipro BioHole (Blunt Needle)

Nipro BioHole (Blunt Needle)

Part Number	Manufacturer	Single or Twin	Gauge	Cannula Length (Inches)	Wing	Slit	Tube Length (Inches)	Clamp	Scab Removal	Stocked or Drop Ship	Base UOM	Eaches per Base UOM
15-FD14BC-0	NIPRO	Single	14	1	Fixed	Backeye	12	Yes	Yes	Stocked	BX	50
15-FD15BC-0	NIPRO	Single	15	1	Fixed	Backeye	12	Yes	Yes	Stocked	BX	50

Peritoneal Dialysis (PD) Products

Fresenius Medical Care proudly offers a comprehensive peritoneal dialysis portfolio. Our PD systems are designed to promote patient well-being, as well as provide high levels of safety and reliability in the home. We are committed to raising the quality of PD care and enabling patients to maintain their lifestyle and independence. The cornerstones of our product line includes stay•safe® PIN technology, stay•safe CAPD system, Liberty® Select Cycler System, and DELFLEX® in Biofine® solution bags.

Important Websites

Fresenius Renal Technologies: fmcna.com
Liberty Select Cycler: fmcna-liberty.com
stay•safe System: fmcna-staysafe.com

PD Solutions

▶ DELFLEX in Biofine

▶ DELFLEX® Single Bags for APD Therapy—Low Magnesium/Low Calcium

▶ DELFLEX® Single Bags for APD Therapy—Standard Magnesium/Standard Calcium

▶ DELFLEX with Attached stay•safe CAPD Exchange Set— Low Magnesium/Low Calcium

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▶ Liberty Cycler and Disposables

▶ PD Catheter Extension Sets and Supplies

▶ PD Catheter Adapters and Catheter Supplies

▶ PD Convertible Adapters

▶ stay•safe Ancillary Devices

▶ Additional PD Devices

▶ PD Digital Health Products

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Peritoneal Dialysis (PD) Products

DELFLEX® in Biofine®

Our trusted DELFLEX peritoneal dialysis (PD) solution is available* in the innovative DELFLEX in Biofine; offered in 3L and 6L solution bag volume sizes. Biofine is designed to enhance the patient experience providing greater ease of use, and it is a critical component to Fresenius Medical Care's commitment to sustainability.

Better for the Environment
- Up to 46% thinner bag material than alternative materials[1]
- Biofine bags reduce waste for patients and do not release hydrochloric acid upon incineration[2,3]

User-Friendly
- Storage boxes and overwrap have integrated handles designed for ease of use
- Multiple bag sizes offer prescription flexibility and may reduce total bags needed for treatment

Simple Setup
- Easy to open and lift box with clear labeling on the boxes and solution bags
- Larger PD solution volumes means fewer bag connections, reducing the potential risk of touch contamination from system openings
- Eliminates blushing, allowing for a consistent appearance and bag clarity, and helping to increase patient confidence[1]

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* Regionally available

1. Fresenius Medical Care Data on File, (Effective Date 05/2019 & Effective Date 04/2020).

2. Berlich R, Canaud B, Renner S, Boger S, Bowery S, Kendzia D. Plastic waste reduction in different peritoneal dialysis strategies: The impact of disposable choice on carbon footprint [Abstract]. Nephrol Dial Transpl. 2019;34(S1):237.

3. Fresenius Medical Care North America. (2020, October 19). FDA Approves New Container System for Peritoneal Dialysis Solutions [PressRelease]. https://fmcna.com/company/our-company/news-releases/fda-approves-new-container-system-pd-solutions/ Downloaded 2 July 2021.

Peritoneal Dialysis (PD) Products

PD Solutions
DELFLEX® Single Bags for APD Therapy—Low Magnesium/Low Calcium

Formulation:

Sodium	132 mEq/L
Calcium	2.5 mEq/L
Magnesium	0.5 mEq/L
Chloride	95 mEq/L
Lactate	40 mEq/L

Color Coding for Dextrose Strengths

Yellow Sterile Cap
1.5% Dextrose

Green Sterile Cap
2.5% Dextrose

Red Sterile Cap
4.25% Dextrose

(Bags shown are PVC bags)

Dextrose 1.5%

Part Number	Volume (mL)	Bag Size (mL)	Bag Material	Packaging
044-20221	2000	2000	PVC	6/box
044-30321	3000	3000	PVC	4/box
077-30321*	3000	3000	Biofine	4/box
044-50521	5000	5000	PVC	2/box
044-60621*	6000	6000	PVC	2/box
077-60621*	6000	6000	Biofine	2/box

Dextrose 2.5%

Part Number	Volume (mL)	Bag Size (mL)	Bag Material	Packaging
044-20322	3000	2000	PVC	6/box
044-30322	3000	3000	PVC	4/box
077-30322*	3000	3000	Biofine	4/box
044-50522	5000	5000	PVC	2/box
044-60622*	6000	6000	PVC	2/box
077-60622*	6000	6000	Biofine	2/box

Dextrose 4.25%

Part Number	Volume (mL)	Bag Size (mL)	Bag Material	Packaging
044-20324	2000	3000	PVC	6/box
044-30324	3000	3000	PVC	4/box
077-30324*	3000	3000	Biofine	4/box
044-50524	5000	5000	PVC	2/box
044-60624*	6000	6000	PVC	2/box
077-60624*	6000	6000	Biofine	2/box

* Regionally available

Peritoneal Dialysis (PD) Products

PD Solutions
DELFLEX Single Bags for APD Therapy—Standard Magnesium/Standard Calcium

Formulation:

Sodium	132 mEq/L
Calcium	3.5 mEq/L
Magnesium	1.5 mEq/L
Chloride	102 mEq/L
Lactate	35 mEq/L

Dextrose 1.5%

Part Number	Volume (mL)	Bag Size (mL)	Bag Material	Packaging
044-50511	5000	5000	PVC	2/box
044-60611*	6000	6000	PVC	2/box
077-60611*	6000	6000	Bioline	2/box

Yellow Sterile Cap
1.5% Dextrose

Dextrose 2.5%

Part Number	Volume (mL)	Bag Size (mL)	Bag Material	Packaging
044-50512	5000	5000	PVC	2/box
044-60612*	6000	6000	PVC	2/box
077-60612*	6000	6000	Bioline	2/box

Green Sterile Cap
2.5% Dextrose

* Regionally available

For more information, including Indications, Safety, and Warnings, visit **https://fmcna.com/products/indications-safety-and-warnings/**   To place an order, call 1-800-323-5188

Peritoneal Dialysis (PD) Products

PD Solutions
DELFLEX with Attached stay•safe CAPD Exchange Set—Low Magnesium/Low Calcium

Formulation:

Sodium	132 mEq/L
Calcium	2.5 mEq/L
Magnesium	0.5 mEq/L
Chloride	95 mEq/L
Lactate	40 mEq/L

Dextrose 1.5%

Part Number	Volume (mL)	Bag Size (mL)	Bag Material	Packaging
054-20221	2000	2000	PVC	5/box
054-25321	2500	3000	PVC	5/box
054-30321	3000	3000	PVC	4/box

Yellow Cover
1.5% Dextrose

Dextrose 2.5%

Part Number	Volume (mL)	Bag Size (mL)	Bag Material	Packaging
054-20222	2000	2000	PVC	5/box
054-25322	2500	3000	PVC	5/box
054-30322	3000	3000	PVC	4/box

Green Cover
2.5% Dextrose

Dextrose 4.25%

Part Number	Volume (mL)	Bag Size (mL)	Bag Material	Packaging
054-20224	2000	2000	PVC	5/box
054-25324	2500	3000	PVC	5/box
054-30324	3000	3000	PVC	4/box

Red Cover
4.25% Dextrose

Peritoneal Dialysis (PD) Products

Liberty Select Cycler and Disposables

Liberty Select Cycler

Part Number	Description
180343	This cycler fills and drains using dynamic pumping technology and features a touchscreen user interface. The Liberty Select cycler offers a variety of features designed for convenience, comfort, and control.

Liberty Select Cycler Cart

Part Number	Description
180080	Portable cart with safety lock wheels to hold the cycler and supplies; hooks for solution bags on sides. Liberty Select Cycler Cart Assembly Procedure Card included (480014); may be ordered separately.

Liberty Select Cycler Carrying Case

Part Number	Description
365070-09	Carrying case used for cycler transport during travel. Case will need to be checked with airline luggage.

Peritoneal Dialysis (PD) Products

Liberty Select Cycler and Disposables

Liberty Cycler Set With Single stay•safe PIN Connector

Part Number	Description	Packaging
050-87215	Liberty Select cycler set with one stay•safe PIN connector, 10-foot patient line (42 mL), and 31-inch drain line.	10/box

Liberty Cycler Set With Dual stay•safe PIN Connectors

Part Number	Description	Packaging
050-87212	Liberty Select cycler set with two stay•safe PIN connectors, 10-foot patient line (42 mL), and 31-inch drain line. Used in PD Plus therapy to add an additional daytime exchange using the cycler.	10/box

Liberty Cycler Integrated Set with Single stay•safe PIN Connector and Extended Drain Line

Part Number	Description	Packaging
050-87216	Liberty Select cycler set with one stay•safe PIN connector, 20-foot patient line (84 mL), and 20-foot drain line.	10/box

Liberty Cycler Drain Line

Part Number	Description	Packaging
026-20036A	Twenty-foot drain line used to extend Liberty Select cycler set drain segment. Single use only.	30/box

Peritoneal Dialysis (PD) Products

Liberty Select Cycler and Disposables

Liberty Select Cycler Drain Set

Part Number	Description	Packaging
026-20226 026-20226A Regionally available	Drain set includes four 5L drain collection bags (part number 026-20226) or three 7L drain collection bags (part number 026-20226A). Drain bags feature sample ports and may be Snap™ disconnected; bags frosted on one side and clear on the other to enhance visualization.	10/box

Shown: part number 026-20226

Multiple Tubing Segment (MTS) Set with stay•safe PIN Connectors

Part Number	Description	Packaging
050-50758	Placed during setup to allow for additional aseptic connections and disconnections to/from the cycler set when prescribed or when an interruption in treatment is necessary.	10/box

stay•safe Drain Set

Part Number	Description	Packaging
026-20030	Drain set connects directly to stay•safe catheter extension set to enable drain as needed and/or for effluent sampling.	10/box

Peritoneal Dialysis (PD) Products

Liberty Select Cycler and Disposables

Liberty Select Handi-Guide

Patient guide to frequently asked questions related to Liberty Select cycler therapy

Part Number	Software Version	Language
480099	2.8.8 (Liberty Select)	English
480099-01	2.8.8 (Liberty Select)	Spanish
480099-02	2.8.8 (Liberty Select)	French
480147	2.9.0 (Liberty Select)*	English
480147-01	2.9.0 (Liberty Select)*	Spanish
480147-02	2.9.0 (Liberty Select)*	French

*Also applies to Liberty Select 2.9.2

For more information, including Indications, Safety, and Warnings, visit **https://fmcna.com/products/indications-safety-and-warnings/**

To place an order, call 1-800-323-5188

Peritoneal Dialysis (PD) Products

Liberty Select Cycler and Disposables

Liberty Select Cycler Initiation of Treatment Procedure Card

Quick reference patient guide for use when setting up and starting therapy

Part Number	Software Version	Language
480098	2.8.8 (Liberty Select)	English
480098-01	2.8.8 (Liberty Select)	Spanish
480098-02	2.8.8 (Liberty Select)	French
480146	2.9.0 (Liberty Select)*	English
480146-01	2.9.0 (Liberty Select)*	Spanish
480146-02	2.9.0 (Liberty Select)*	French

*Also applies to Liberty Select 2.9.2

Peritoneal Dialysis (PD) Products

Liberty Select Cycler and Disposables

Liberty Select Cycler User's Guide for Software v. 2.8.8 and Higher

Also available at fmcna.com

Part Number	Software Version	Language
480097	2.8.8 (Liberty Select)	English
480097-01	2.8.8 (Liberty Select)	Spanish
480097-02	2.8.8 (Liberty Select)	French
480145	2.9.0 (Liberty Select)*	English
480145-01	2.9.0 (Liberty Select)*	Spanish
480145-02	2.9.0 (Liberty Select)*	French

*Also applies to Liberty Select 2.9.2

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Peritoneal Dialysis (PD) Products

PD Catheter Extension Sets and Supplies

stay•safe Catheter Extension Set with Luer-Lock

Catheter extension set used to connect Luer-Lock catheter adapter
(Quinton or titanium) to systems with stay•safe PIN connectors

Part Number	Length	Packaging
050-95013	6-inch	each
050-95004	12-inch	each
050-95005	18-inch	each

stay•safe Catheter Extension Set with Safe-Lock®

Catheter extension set used to connect Safe-Lock catheter adapter
(Co-Pack II or training tummy) to systems with stay•safe PIN connectors

Part Number	Length	Packaging
050-95001	12-inch	each

stay•safe Cap

Part Number	Description	Packaging
050-95012	Protective sterile cap for stay•safe catheter extension sets.	40/box

Peritoneal Dialysis (PD) Products

PD Catheter Adapters and Catheter Supplies

PD Belt

Belt used instead of tape to help stabilize the exit site while securely storing the catheter tube and extension set while not undergoing treatment.

Part Number	Size	Packaging
65-1000-0	x-small (16"–24")	3/pk
65-2000-0	small (23"–36")	3/pk
65-3000-0	medium (30"–44")	3/pk
65-4000-0	large (36"–48")	3/pk
65-5000-0	x-large (46"–58")	3/pk

Safe-Lock Catheter Adapter Co-Pack II

Part Number	Description	Packaging
050-75000	Catheter adapter compatible with extension sets with Safe-Lock connection at proximal (catheter) end (050-95001).	each

Safe-Lock Catheter Adapter Sealing Cap

Part Number	Description	Packaging
050-30024	Protective cap for Safe-Lock catheter adapter.	each

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Peritoneal Dialysis (PD) Products

PD Catheter Adapters and Catheter Supplies

Quinton Luer-Lock Catheter Adapter

Part Number	Description	Packaging
30-0661-6	Catheter adapter compatible with extension sets with Luer-Lock connection at proximal (catheter) end, including: • 050-95004, 050-95005, 050-95013, 050-30024 • Other transfer sets	25/box

PD Catheter Repair Kit

Part Number	Description	Packaging
30-2100-4	Used to lengthen or repair external portion of PD catheter.	each

Glue for Catheter Repair Kit

Part Number	Description	Packaging
30-8070-3	For use with PD catheter repair kit.	each

Peritoneal Dialysis (PD) Products

PD Convertible Adapters

stay•safe Luer-Lock Adapter, 4-inch

Part Number	Description	Packaging
050-95003	Connects stay•safe catheter extension set to devices with a Luer-lock connection.	each

Universal Connector

Part Number	Description	Packaging
050-30026	Connects Safe-Lock catheter adapter or Safe-Lock catheter extension set with other transfer sets; can also be used to connect to Luer-Lock syringe or IV tubing.	each

APD Luer-Lock Adapter

Part Number	Description	Packaging
050-95018	Connects an APD cycler set with a Safe-Lock connector to a PD solution bag with a standard Luer-Lock connector.	30/box

Peritoneal Dialysis (PD) Products

stay•safe Ancillary Devices

stay•safe Organizer

Part Number	Description	Packaging
030-10807	Holds stay•safe disc for CAPD therapy or stay•safe PIN Connector for APD therapy to facilitate connection and disconnection of stay•safe systems. Organizer is sold with removable clip inserted.	each

stay•safe Clip

Part Number	Description	Packaging
030-10809	Clip for APD therapy to facilitate connection and disconnection of stay•safe systems. Organizer is sold with removable clip inserted.	each

stay•safe Organizer Holder

Part Number	Description	Packaging
030-10808	Enables user to place the stay•safe organizer on IV pole.	each

stay•safe Handi-Tool

Part Number	Description	Packaging
030-10810-1	Helps with turning the stay•safe CAPD dial, breaking cones in DELFLEX PD solution bags, loosening caps on PD supplies.	each

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Peritoneal Dialysis (PD) Products

Additional PD Devices

Super Klip

Part Number	Description	Packaging
050-63297	Adhesive-backed reusable line clip used to hold drain lines in place during APD therapy.	each

Ohaus Spring Scale

Part Number	Description	Packaging
36-8008-9	Gram scale used to weigh solution up to 5000 gm in 100 gm increments (CAPD therapy).	each

Over-the-Door Hook

Part Number	Description	Packaging
050-28255	Portable solution bag hook used for gravity-based CAPD therapy.	each

CAPD Heating Pad

Part Number	Description	Packaging
31-HP800-0	12" x 24" heating pad, three settings.	each

Peritoneal Dialysis (PD) Products

PD Digital Health Products

Kinexus Therapy Management Platform

Description
Connected health platform that supports the management of a patient's peritoneal dialysis on a cycler.

Kinexus Gateway

Description
Cellular gateway used with the Kinexus Therapy Management Platform to transmit treatment data from the cycler to clinic.

IQdrive™

Part Number	Description
180202	USB drive used with the Kinexus Therapy Management Platform to program the Liberty Select cycler and record treatment data.