

Centrisol and Renasol

Hemodialysis Concentrates



MINNTECH[®]
renal systems



Highest Purity and Quality Hemodialysis Concentrate

Minntech Renal Systems uses AAMI quality water to produce non-pyrogenic hemodialysis concentrate. All raw materials used for manufacturing its hemodialysis concentrates are tested to United States Pharmacopeia (U.S.P.) quality or higher. Final product is meticulously checked by our Quality Control laboratory using the latest analytical equipment to exacting specifications. All of our liquid concentrate solutions are thoroughly blended, filtered and tested throughout the manufacturing process.

Centrisol® Bicarbonate Hemodialysis Concentrate

These formulas are designed to be used with Cobe or properly calibrated Gambro, B. Braun, or Fresenius (45X dilution) only.

Part A: SB-100 Series Liquid Acid Proportioning Components

Formula	Sodium mEq/L	Calcium mEq/L	Potassium mEq/L	Magnesium mEq/L	Chloride mEq/L	Acetate mEq/L	Dextrose mg/dL	Bicarbonate mEq/L	Packaging	
									Cases	Drums
SB-111	137	3.00	2.00	0.75	105.75	4.00	200	33.00	X	X
SB-119	137	3.00	1.00	0.75	104.75	4.00	200	33.00	X	X
SB-123	137	3.00	0.00	0.75	103.75	4.00	200	33.00	X	
SB-127	137	3.00	3.00	0.75	106.75	4.00	200	33.00	X	X
SB-129	137	3.00	4.00	0.75	107.75	4.00	200	33.00	X	X
SB-130	137	0.00	0.00	0.75	100.75	4.00	200	33.00	X	X
SB-137	137	2.50	1.50	0.75	104.75	4.00	200	33.00	X	X
SB-140	137	0.00	2.00	0.75	102.75	4.00	200	33.00	X	
SB-151	137	2.00	2.00	0.75	104.75	4.00	200	33.00	X	X
SB-152	137	2.50	2.00	0.75	105.25	4.00	200	33.00	X	X
Low Calcium High Acetic Formulas										
SB-142	137	2.25	1.00	0.75	104.00	5.00	200	32.00	X	X
SB-143	137	2.25	2.00	0.75	105.00	5.00	200	32.00	X	X
SB-144	137	2.25	3.00	0.75	106.00	5.00	200	32.00	X	X
SB-145	137	2.25	0.00	0.75	103.00	5.00	200	32.00	X	

Formula	Description	Package	Price
See Above	Liquid Acid Concentrate	Four (4) 1 U.S. gallon (3.78 liters) containers /case	Contact your Minntech Area Manager for pricing information.
	Liquid Acid Concentrate	55 U.S. gallon drum	

Part B: MB-330 Series Bicarbonate Proportioning Components

Formula	Description	Package	Price
MB-330-L	Liquid Bicarbonate Concentrate	Four (4) 1 U.S. gallon (3.78 liters) containers /case	Contact your Minntech Area Manager for pricing information.
MB-330	Bicarbonate Concentrate Powder	20 packets/case. Each packet dilutes to 8 liters (2.1 U.S. gallons).	
MB-330-15	Bicarbonate Concentrate Powder	3 bags/case. Each bag dilutes to 56.8 liters (15 gallons)	
MB-330-25	Bicarbonate Concentrate Powder	2 bags/case. Each bag dilutes to 94.6 liters (25 gallons)	

Directions:

The SB-100 liquid acid concentrate series is formulated to be mixed in conjunction with Minntech's MB-330 Series Sodium Bicarbonate Concentrate only in a compatible 45X dilution three-stream artificial kidney (hemodialysis) machine. Refer to instructions provided by artificial kidney machine manufacturer prior to starting dialysis. For every 45 volume parts of dialysate, mix 1 volume part of acid concentrate (SB-100 series) and 1.72 volume parts of properly mixed MB-330 Series Sodium Bicarbonate Concentrate with 42.28 volume parts of Purified Water (AAMI quality).

Concentrate Accessories

PVC Suction Hose

3/4" diameter by 1" length.

P/N 47619-000

Lutz Pump

Used to pump out 55 gallon acid concentrate drums.

P/N 47021-000 Pump

P/N 38503-000 Motor

Renasol® Bicarbonate Hemodialysis Concentrate

These formulas are designed to be used with the following three-stream equipment: Gambro, B.Braun, Althin, Hospital, Baxter and Fresenius. 36.83X dilution.

Part A: SB-1000 Series Liquid Acid Proportioning Components

Formula	Sodium	Calcium	Potassium	Magnesium	Chloride	Acetate	Dextrose	Bicarbonate	Packaging	
	mEq/L	mEq/L	mEq/L	mEq/L	mEq/L	mEq/L	mg/dL	mEq/L	Cases	Drums
SB-1003	139	3.50	2.00	1.00	106.50	4.00	200	35.00	X	X
SB-1004	139	3.50	3.00	1.00	107.50	4.00	250	35.00	X	
SB-1005	139	3.50	0.00	1.00	104.50	4.00	200	35.00	X	
SB-1014	140	2.50	0.00	1.00	104.50	4.00	200	35.00	X	X
SB-1019	139	3.00	2.00	1.00	106.00	4.00	200	35.00	X	X
SB-1020	139	2.50	2.00	1.00	105.50	4.00	200	35.00	X	X
SB-1022	139	3.50	1.00	1.00	105.50	4.00	200	35.00	X	
SB-1030	139	0.00	0.00	1.00	101.00	4.00	200	35.00	X	
SB-1046	139	3.00	1.50	1.00	105.50	4.50	200	34.50		X
SB-1052	143	3.25	2.00	1.00	110.25	4.50	200	34.50		X
SB-1057	139	2.50	3.00	0.75	106.25	4.00	200	35.00	X	X
SB-1063	143	3.00	2.00	1.00	110.00	4.50	200	34.50	X	X
SB-1070	143	0.00	2.00	1.00	107.00	4.50	200	34.50	X	
SB-1076	139	3.00	3.00	1.00	107.00	4.00	200	35.00	X	X
SB-1077	140	2.50	2.00	0.50	106.00	4.00	100	35.00	X	X
SB-1078	140	2.50	1.00	1.00	105.50	4.00	200	35.00	X	X
SB-1083	139	2.25	2.00	1.00	105.25	4.00	200	35.00	X	
SB-1086	139	2.00	2.00	1.50	105.50	4.00	200	35.00	X	X
SB-1087	142	2.50	1.50	1.00	108.00	4.50	200	34.50	X	X
SB-1088	142	2.50	3.00	1.00	109.50	4.50	200	34.50	X	X
SB-1089	142	2.50	4.00	1.00	110.50	4.50	200	34.50		X

Formula	Description	Package	Price
See Above	Liquid Acid Concentrate	Four (4) 1 U.S. gallon (3.78 liters) containers /case	Contact your Minntech Area Manager for pricing information.
	Liquid Acid Concentrate	55 U.S. gallon drum	

Part B: BC-1 Series Bicarbonate Proportioning Components

Formula	Description	Package	Price
BC-1-L	Liquid Bicarbonate Concentrate	Four (4) 1 U.S. gallon (3.78 liters) containers /case	Contact your Minntech Area Manager for pricing information.
BC-1	Bicarbonate Concentrate Powder	20 packets/case. Each packet dilutes to 9.46 liters (2.5 U.S. gallons).	
BC-1-15	Bicarbonate Concentrate Powder	3 bags/case. Each bag dilutes to 56.8 liters (15 gallons)	
BC-1-25	Bicarbonate Concentrate Powder	2 bags/case. Each bag dilutes to 94.6 liters (25 gallons)	

Directions:

The SB-1000 liquid acid concentrate series is formulated to be mixed in conjunction with Renal Systems BC-1 Series Sodium Bicarbonate Concentrate only in a compatible 36.83X dilution three-stream artificial kidney (hemodialysis) machine. Refer to instructions provided by artificial kidney machine manufacturer prior to starting dialysis. For every 36.83 volume parts of dialysate, mix 1 volume part of acid concentrate (SB-1000 series) and 1.83 volume parts of properly mixed BC-1 Series Sodium Bicarbonate Concentrate with 34 volume parts of Purified Water (AAMI quality).

Drum Wrench

Used to open 55 gallon acid concentrate drums.

Concentrate Adapters

Used to draw acid concentrate out of 1 gallon containers

P/N 67790-003

P/N 47049-243 Acid

P/N 47049-244 Bicarbonate

Concentrate Accessories



Minntech Hemodialysis Concentrates

Quality Products – Known for over 30 years as a quality leader for concentrate products, Minntech focuses on continually improving its processes and products.

Ready-to-Use, Delivered-to-Your-Door Concentrate – Minntech offers a complete range of liquid acid and bicarbonate concentrates. These “premixed” solutions save clinic labor time as well as ensure that products are made following the quality guidelines and meeting FDA requirements.

“Your Way” Delivery – “Friendly.” “Professional.” “Accommodating.” “Helpful.” These are the words our customers use to describe our delivery drivers. Whether it is delivery to the dock or delivery up to the third floor, Minntech will get you the product where you need it. Our Minntech drivers are known for their dedication and professional service. We know that our customers are busy—that is why we take the time to put the product where you need it.

Customer Service – Our customer service team is trained to assist customers in establishing the “right” supply of hemodialysis concentrates. This allows us to act as a “quality” check on your systems and enhance the clinic’s supply chain. Also, many of our customers take advantage of a “STANDING ORDER” system to streamline the purchasing process.

Clinical and Field Support Team – Our clinical services group and Area Managers have extensive experience in the clinical environment. From logistics to regulatory to operations, this dedicated and seasoned team provides your clinic with critical technical and clinical information to support you in providing the most ideal care available to your patients.

centrisol®

Bicarbonate Concentrate

Centrisol® SB-100 Liquid Acid Concentrate Series is formulated to be used in conjunction with Renal Systems’ MB-330 Series Sodium Bicarbonate Concentrate in a compatible 45X dilution three stream artificial kidney (hemodialysis) machine. For every 45 volume parts of dialysate; 1 volume part of the SB-100 series concentrate, 1.72 volume parts of MB-330 Series Sodium Bicarbonate Concentrate and 42.28 volume parts of Purified Water (AAMI quality) are used.



renasol®

Bicarbonate Concentrate

The SB-1000 Liquid Acid Concentrate Series is formulated to be used in conjunction with Renal Systems’ BC-1 Series Sodium Bicarbonate Concentrate in a compatible 36.83X dilution three stream artificial kidney (hemodialysis) machine. For every 36.83 volume parts of dialysate; 1 volume part of SB-1000 series concentrate, 1.83 volume parts of BC-1 series sodium bicarbonate concentrate and 34 volume parts of Purified Water (AAMI quality) are used.



Customer Service
(800) 328-3340

Technical Service
(800) 328-3324

Clinical Service
(800) 328-3345



MINNTECH®
renal systems

Minntech Renal Systems
14605 28th Avenue North
Minneapolis MN 55447
Tel: +1-763-553-3300
Fax: +1-763-553-3387
www.minntech.com

Minntech Asia/Pacific Pte Ltd
438 Alexandra Road
#03-01 Alexandra Point
Singapore 119958
Tel: +65-6227-9698
Fax: +65-6225-6848