

JASSH GROUP

Helping to Simplify and Improve the Quality of Hemodialysis Treatments

JASSH is committed to advancing hemodialysis in ground-breaking and meaningful ways. We do this by providing innovative products and services that help healthcare professionals improve the quality of treatments and simplify therapy delivery for the diverse and growing population of end-stage renal disease patients.

Because Every Patient Deserves the Right Therapy

JASSH considers every HD patient an individual. We do not believe in delivering the same standardized therapy to all patients, but instead provide choices to select the therapy and treatment modality that is right for both patients and clinics.

Therefore, JASSH offers multiple HD therapy options - such as low-Potassium, high-potassium, High-Glucose Normal Glucose etc. and various treatment modalities. Additionally, JASSH supports a wide variety of disinfectants, including at-home, self-care, and in-center. This allows you to choose the right solution for you.

CARBOSOL HAEMODIALYSIS CONCENTRATE

Advantages and features:

- ❖ *Precise composition*
- ❖ *Advance formulation.*
- ❖ *Calcium mass balance is easily maintained during treatment*
- ❖ *Compliant with BP, USP, JP, and EP specifications.*
- ❖ *Increased dialyzer reuse.*
- ❖ *Easier electrolyte individualization.*
- ❖ *Improved tolerance to treatment.*
- ❖ *Custom formulations compatible with all dialysis machines.*



CARBOSOL HAEMODIALYSIS CONCENTRATE

CARBOSOL is unique and novel Acetate containing haemodialysis concentrate in liquid form. It leads to reduced inflammation and risk to develop cardiovascular disease in patients on haemodialysis.

CARBOSOL is available in 35X, 36.83X, with different variations.

Variations:

- With Dextrose
- Potassium free
- Calcium free
- We manufacture more than 25 formulations of Liquid concentrate across 2 dilutions. We also manufacture custom formulations as per client requirements.

FINAL ELECTROLYTE AFTER DILUTION AS PER THE RESPECTIVE FORMULA

Electrolyte	CARBOSOL	
	35X Dextrose (mEq/Ltr.)	36.83X Dextrose (mEq/Ltr.)
Sodium	138.0	138.0
Potassium	2.0	2.0
Calcium	2.50	2.50
Magnesium	1.5	1.5
Chlorides	109.0	109.0
Acetates	5.0	5.0
Bicarbonate	32.0	32.0
Glucose	5.56 m.mol/l	5.56 m.mol/l

Packing size and form:

Part-A is available in liquid form and Part-B in dry powder form. By dissolving and mixing specific quantities once can prepare liquid solution.

Carbosol is supplied in three pack sizes:

For one dialysis session (3.78 liters)

For two dialysis sessions (8 liters)

For 7 dialysis sessions (30 liters)

JASSH Pharma

ISO 13485, 9001 and 14001 certified company

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Custom Formulations Carbosol haemodialysis concentrate

Series	Sr. #	Product Code	Sodium (Na+) (m.mol/L)	Potassium (K+) (m.mol /L)	Calcium (Ca++) (m.mol /L)	Magnesium (Mg++) (m.mol /L)	Chloride (Cl-) (m.mol /L)	Acetate (CH3COO-) (m.mol /L)	BiCarbonate (HCO3-) (m.mol /L)	Dextrose (m.mol /L)	Citrate (m.mol /L)	Compatible Part B
Sodium	1	JS1-35A	106	2.0	1.25	0.75	109	5.0	0.00	5.5	0	JB1-35B
	2	JS2-35A	103	2.0	1.25	0.75	106	5.0	0.00	5.5	0	JB2-35B
	3	JS3-36.83A	112	2.0	1.25	0.75	114	5.0	0.00	5.5	0	JB3-36.83B
	4	JS4-36.83A	112	2.0	1.25	0.75	114	5.0	0.00	7.0	0	JB3-36.83B
	5	JS5-36.83A	112	2.0	1.25	0.75	114	5.0	0.00	5.5	0	JB4-36.83B
	6	JS6-36.83A	102	2.0	1.25	0.75	105	5.0	0.00	5.5	0	JB5-36.83B
	7	JS7-36.83A	102	2.0	1.25	0.75	105	5.0	0.00	5.5	0	JB6-36.83B
Potassium	8	JK1-35A	106	0.0	1.25	0.75	109	5.0	0.00	5.5	0	JB1-35B
	9	JK2-35A	106	0.5	1.25	0.75	109	5.0	0.00	5.5	0	JB1-35B
	10	JK3-35A	106	1.0	1.25	0.75	109	5.0	0.00	5.5	0	JB1-35B
	11	JK4-35A	106	3.0	1.25	0.75	109	5.0	0.00	5.5	0	JB1-35B
Dextrose	12	JD1-35A	106	2.0	1.25	0.75	109	5.0	0.00	11.0	0	JB1-35B
	13	JD2-35A	106	2.0	1.25	0.75	109	5.0	0.00	8.3	0	JB1-35B
	14	JD3-35A	106	2.0	1.25	0.75	109	5.0	0.00	2.75	0	JB1-35B
	15	JD4-35A	106	2.0	1.25	0.75	109	5.0	0.00	0.0	0	JB1-35B
Calcium	16	JC1-35A	106	2.0	0.00	0.75	109	5.0	0.00	5.5	0	JB1-35B
	17	JC2-35A	106	2.0	0.63	0.75	109	5.0	0.00	5.5	0	JB1-35B
	18	JC3-35A	106	0.0 - 2.0	2.00	0.75	109	5.0	0.00	5.5	0	JB1-35B
	19	JC4-35A	106	0.0	0.0 - 0.63	0.75	106	5.0	0.00	0.0	0	JB1-35B
Citrate	20	JA1-35A	106	2.0	1.25	0.75	109	0.00	0.00	5.5	5.0	JB1-35B
	21	JA1-35A	106	2.0	1.25	0.75	109	0.00	0.00	5.5	4.0	JB1-35B
	22	JA1-35A	106	2.0	1.25	0.75	109	0.00	0.00	5.5	3.0	JB1-35B
Bicarbonate	23	JB1-35B	0.00	0.00	0.00	0.00	0.00	0.00	32.00	0.00	0.00	
	24	JB2-35B	0.00	0.00	0.00	0.00	0.00	0.00	35.00	0.00	0.00	
	25	JB3-36.83B	0.00	0.00	0.00	0.00	0.00	0.00	25.00	0.00	0.00	
	26	JB4-36.83B	0.00	0.00	0.00	0.00	0.00	0.00	25.00	0.00	0.00	
	27	JB5-36.83B	0.00	0.00	0.00	0.00	0.00	0.00	36.00	0.00	0.00	
	28	JB6-36.83B	0.00	0.00	0.00	0.00	0.00	0.00	36.00	0.00	0.00	

CARBOSOL-PW HAEMODIALYSIS CONCENTRATE (POWDERED FORM)

- ❖ *Precise composition.*
- ❖ *Compliant with BP, USP, JP, and EP specifications.*
- ❖ *Compatible with all dialysis machines.*
- ❖ *Microbiologically safe.*
- ❖ *Chemically stable.*
- ❖ *Calcium mass balance is easily maintained during treatment.*
- ❖ *Environmentally-friendly.*
- ❖ *Easy to carry (Light weight solid packing).*



CARBOSOL-PW HAEMODIALYSIS CONCENTRATE POWDERED FORM

CARBOSOL-PW is unique haemodialysis concentrate in Powder form. It leads to reduced inflammation and risk to develop cardiovascular disease in patients on haemodialysis.

CARBOSOL-PW is available in 35X, 36.83X, with different variations.

We manufacture more than 25 formulations of Liquid concentrate across 2 dilutions. We also manufacture custom formulations as per client requirements.

FINAL ELECTROLYTE AFTER DILUTION AS PER THE RESPECTIVE FORMULA

Electrolyte	CARBOSOL	
	35X Dextrose (mEq/Ltr.)	36.83X Dextrose (mEq/Ltr.)
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Chlorides	109.0	109.0
Acetates	5.0	5.0
Bicarbonate	32.0	32.0
Glucose	5.56 m.mol/l	5.56 m.mol/l

DIRECTION OF USE:

Preparing Part-A solution:

- Part-A solution can be prepared 50 liters at a time.
- Take predicted quantity of RO water in the mixer up to the mark (45liters).
- Set the mixer on 9 minutes cycle and speed of the mixer to normal.
- Start the mixer.
- Outer bag contains total 6 packets. Add material from big packet containing sodium chloride first. Wait till the material dissolve completely. Add materials from 5 small packets. All the material will completely dissolve in 9 minutes.
- Wash and thoroughly flush the machine and drain pipe with 20liters RO water every day at the end of use.

Preparing Part-B solution:

- Part-B solution can be prepared either 30, or 50 liters at a time.
- Take predicted quantity of RO water in the mixer up to the mark.
- Set the mixer on 9 minutes cycle and speed of the mixer to normal.
- Start the mixer.
- Add the packets one by one. All the material will completely dissolve in 9 minutes.
- Wash and thoroughly flush the machine and drain pipe with 20liters RO water every day at the end of use.

Formulations for haemodialysis bicarbonate cartridge and bags:

35X and 45X are suitable for haemodialysis bicarbonate cartridge and bags.

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Carbibag HAEMODIALYSIS BICARBONATE BAG

Sodium Bicarbonate I.P, E.P. USP, : 650gm, 900gm



CARBIBAG

HAEMODIALYSIS BICARBONATE BAG

A. Presentation and Content:

Each **Carbibag** contains finest quality sodium bicarbonate of applicable standards (I.P., E.P., B.P., USP) and specified weight. Connector design, shape and size of **CarbiBag** is such that it readily gets plugged in to the slot provided in Fresenius dialysis machines.

CarbiBag suitable for Model # 4008 and 5008 for Fresenius dialysis machines. Sodium bicarbonate powder is automatically mixed with water producing a saturated solution. This saturated solution is then proportioned with water and acid concentrate to achieve the prescribed dialysate.

B: Export Information:

MODEL	WEIGHT
4008	650gm
	900gm
5008	650gm
	900gm

C: Instruction for use:

Part-B is supplied as ready to use **CarbiBag** containing Sodium Bicarbonate of specific weight.

❖ **CarbiBag** shall be inspected for any damage before fixing in the dialysis machine.

❖ Do not use **CarbiBag**, if found damage or leaky.

❖ It is to use in combination with Part-A for dilution ratio 35X and 45X.

❖ Fix the **CarbiBag** in the slot provided in haemodialysis machines.

❖ Dialysis machine shall be calibrated and set to the dilution ratio of 35X or 45X. Part-A formula shall match the ratio selected.

❖ Dialysis machine shall be operated as per instructions of machine supplies.

❖ Empty **Carbibag** shall be discarded after use.

❖ **CarbiBag** has shelf life of two years from date of manufacture.

D: Advantages of CarbiBag:

❖ Easy to Handle, Easy transportation, less storage place and save labor.

❖ Hygienic delivery of Sodium Bicarbonate. Prevention of microbiological growth and safe dialysis treatment.

❖ Minimum wastage, environment friendly, no spillage.

E: Warning:

❖ Product is non-sterile.

❖ Non injectable, for external use only.

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CarbiBag HAEMODIALYSIS BICARBONATE CARTRIDGE
Sodium Bicarbonate I.P., B.P., E.P., USP: 650gm, 900gm



JASSH PHARMA

CARBIBAG

HAEMODIALYSIS BICARBONATE CARTRIDGE

A. Presentation and Content:

- Each **Carbibag cartridge** contains finest quality sodium bicarbonate of applicable standards (I.P., E.P., B.P., USP) in a polypropylene container.
- When attached to the special holder, water passes through it and produces a saturated bicarbonate solution, ready for use. This concentrate solution then is proportioned with haemodialysis concentrate (35X 05 45X) and purified water in the dialysis machine produce a bicarbonate-based dialysis fluid.

B: Instruction for use:

- CarbiBag Cartridge** is suitable for Nipro, Gambro and Bbraun dialysis machines.
- CarbiBag Cartridge** shall be inspected for any damage before fixing in the dialysis machine.
- Do not use **CarbiBag Cartridge**, if found damage or leaky.
- CarbiBag Cartridge** is to use in combination with Part-A for dilution ratio 35X and 45X.
- Fix the **CarbiBag Cartridge** in the slot provided in haemodialysis machines.
- Dialysis machine shall be calibrated and set to the dilution ratio of 35X or 45X depending upon the selection and use of part-A concentrate.
- Dialysis machine shall be operated as per instructions of machine supplies.
- Empty **CarbiBag Cartridge** shall be discarded after use.
- CarbiBag Cartridge** has shelf life of two years from date of manufacture.

Advantages of CarbiBag:

- ❖ Easy to Handle, Easy transportation, less storage place and save labor.
- ❖ Hygienic delivery of Sodium Bicarbonate. Prevention of microbiological growth and safe dialysis treatment.
- ❖ Minimum wastage, environment friendly, no spillage.

Warning:

- ❖ Product is non-sterile.
- ❖ Non injectable, for external use only.



CITROCLEAN DIALYSIS MACHINE DISINFECTANT

Citroclean is Sterilant, Sporicidal, Bactericidal, Virucidal, Fungicidal and decalcifying agent. It kills bacteria, viruses, and spores at above 60°C within 10 minutes. It is highly effective against Hepatitis A and B viruses.

◉ **Citroclean Contains:**

Citric Acid : 21%

Malic and Lactic Acid (as adjuvants)

◉ **Citroclean Plus Contains:**

Citric Acid : 50%

Citroclean	Citroclean Plus
Biodegradable	Biodegradable
Shelf life 24 months	Shelf life 24 months
5 and 30 liters pack size	5 and 30 liters pack size

How to use Citroclean and Citroclean Plus for dialysis machine disinfection:

Citroclean and citroclean plus perform disinfection and decalcification in a single cycle. Dialysis machine having hot disinfection facility can be disinfected as well as decalcified using **Citroclean** or **Citroclean plus**. Machine automatically sucks predefined volume of **Citroclean** or **Citroclean plus** during disinfection cycle. **Citroclean** or **Citroclean plus** is diluted with water by the machine. Suction volume of **Citroclean** or **Citroclean plus** per cycle is estimated based on the hydraulic chamber volume of the machine.

Precautions:

- Wear hand gloves, goggles while handling.
- If spilled, use excess amount of water to drain.

Storage:

- keep container closed.
- Store in upright position.

PEROXICLEAN

COLD DISINFECTANT FOR DIALYZER REPROCESSING AND HAEMODIALYSIS MACHINE.



It is cold sterilant, Sporicidal, Bactericidal, Virucidal, Fungicidal.

Peroxi-clean Contains:

Peracetic Acid 1.73%

Hydrogen peroxide 5.95%

Purified water and acetic acid Q.S.

Peroxi-clean Features:

- ❖ Biodegradable.
- ❖ Shelf life 24 months
- ❖ 5 liters pack size.

How to use to disinfect dialysis machine:

Used in chemical disinfection mode of hemodialysis machine.

Usage and dilution ratio as per hemodialysis machine manufacturer's instruction.

Advantages:

❖ speedy sterilization. It kills bacteria in 1 minutes, fungus in 5 minutes and spore forming bacteria within 15 minutes. No heating is required.

❖ Eco friendly. It decomposes to Acetic Acid, water and oxygen. Does not emit any toxic gases. It's non-pollutant.

Precautions:

- ❖ Wear hand gloves, goggles while handling.
- ❖ If spilled, sprinkle sodium bicarbonate to neutralize and use excess amount of water to drain.
- ❖ After dilution, the resultant solution must be used within 24 hours.
- ❖ Prepare fresh solution every day, mix well before use.

Storage:

- ❖ keep container closed with vented cap.
- ❖ Do not temper vent cap.
- ❖ Avoid direct sunlight.
- ❖ Store in a up right position.

CHEM-BLEA-CLEAN

MACHINE DISINFECTANT/EXCELLENT CLEANING AGENT



- ◉ **Chem-Blea-clean** is used to remove biofilms.
- ◉ **Chem-Blea-clean** effective, has bactericidal, fungicidal sporicidal, tuberculocidal, virucidal effects.
- ◉ The product is pumped automatically from the hemodialysis device during the disinfection cycle.
- ◉ **Chem-Blea-clean** contains Sodium hypochlorite water.
- ◉ Available in 5L and 30L canisters, **Chem-Blea-clean** removes Protein deposits, blood residue and organic matters.

Precautions:

- ❖ Wear hand gloves, goggles while handling.
- ❖ If spilled, sprinkle sodium bicarbonate to neutralize and use excess amount of water to drain.
- ❖ After dilution, the resultant solution must be used within 24 hours.
- ❖ Prepare fresh solution every day, mix well before use.

Storage:

- ❖ keep container closed with vented cap.
- ❖ Do not temper vent cap.
- ❖ Avoid direct sunlight.
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WE ARE ALSO OFFERING ACCESSORIES FOR DIALYSIS MACHINES



Superior Clearance Levels. Excellent Biocompatibility.

Our range of poly sulfone dialyzers is the product of significant innovation.

From the structure of each fiber capillary to the membrane distribution, from the packing density to the housing design, each key feature of the dialyzer has been perfected, to optimize treatment outcome.



Specialised for Hemodialysis.

we are providing sets to tube lining that approaches every aspect of design, manufacturing and quality management of blood tubing sets with a focus on patient safety and clinician convenience.

- Superior quality, medical grade materials.
- Dust removing process with static electricity.
- Minimized plasticizer accumulation.
- Superior mechanical stability.
- Sterilization by radiation or ethylene oxide.

A large variety of tubing set models, specifications and accessories is offered, to cover the needs of every patient and be compatible with most hemodialysis systems.

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OUR MEDICATED COSMETIC DIVISION PRESENTING SKIN CARE PRODUCTS

ALPHA hand wash *Where Cleaning meets Class*

Fragrances offered:

ALPHA (Divine Ocean)

ALPHA (Enigma)

ALPHA (Graceful Whispers)

ALPHA (Royal Velvet)

Product description:

- Gentle hand washing which requires a particularly skin friendly cleaning.
 - Excellent conditioning agent with great skin feel,
 - Gives soft velvety skin.
 - Boost skin's defence against bacteria and germs
 - Moisturizes skin while cleansing hands.
 - pH-neutral.
 - Ready to use.
 - Pleasant, fresh fragrance.
- Free of aldehydes and phenols.

