



**INSPRAMED**

A D.med Group Company

# PRODUCT CATALOG

## HAEMODIALYSIS CONSUMABLES



## ABOUT US:

Inspramed Medical is an international medical company that produces haemodialysis consumables.

It was founded in 2013 and has since established itself as a quality-focused manufacturer of haemodialysis acid and basic concentrates, sodium bicarbonate cartridges / bags and haemodialysis machine disinfectants.

Thanks to its highly motivated staff and excellent global partners, Inspramed Medical has become a reputed manufacturer in the dialysis field with all its products well-established in different countries.

Inspramed commits to providing high-quality and cost-efficient products through a reliable delivery service to the haemodialysis community around the world.

In January 2021, Inspramed Medical was acquired by D.med Healthcare Group.

### **About D.med Healthcare Group:**

*Headquartered in Düsseldorf, Germany, D.med Healthcare Group operates globally through a network of premises in over 20 countries as a provider of medical services and products with a focus on renal care, diabetes, and other fields of internal medicine.*

*For more information on D.med, please visit: [www.dmed-healthcare.com](http://www.dmed-healthcare.com)*

*For more information on Inspramed, please visit: [www.inspramed.com.tr](http://www.inspramed.com.tr)*



# QUALITY POLICY

To meet the needs and expectations today and in the future, we make our clients our focus.

With the principle “the quality of our products and services starts with the quality of our employees”, we engage in motivating our team to develop a passion for excellence.

Our activities are based on the 42/93/EEC Medical Device Directive and EN ISO:13485 2016 standard and quality management system and we ensure compliance with these regulations with our high quality-minded approach to our business that will also help us in the future application of the 745/2017 Medical Device Regulation (MDR).

We aim to be a leading company in our field, building our position by continuously improving our processes and striving to be an inspiring example to other organizations.



European Conformity Standards (CE)



International Organization for Standardization (ISO 13485:2016)



Free Sales Certificate (FSC)

# OUR PRODUCT RANGE

## Insprasol Haemodialysis Acid Concentrates



## Insprasol Haemodialysis Basic Concentrates



## Inspradez Haemodialysis Machine Disinfectants



## Inspracart Haemodialysis Sodium Bicarbonate Cartridges



## Insprabag Haemodialysis Sodium Bicarbonate Bags



## OUR PRODUCTS | ACID CONCENTRATES

### INSPRASOL CANISTERS

- Used for treatment of patients with acute or chronic renal failure.
- Used by diluting an appropriate amount of Insprasol Haemodialysis Basic Concentrate with purified water.
- Different formulations should be chosen according to the requirements of the patient's treatment as determined by a nephrologist.
- Instructions for use should be taken into consideration during the application.
- Should be kept closed in its original packaging.
- Available in 5,8 and 10-liter HDPE canisters.
- Shelf life: 36 months (according to stability test reports).



### INSPRASOL IBC TANK

- Mostly used by haemodialysis centres / hospitals, which have a large number of treatment places and usually have a central acid supply system with ring line installed.
- Available as 1000-liter IBC tanks.



### INSPRASOL POWDER

- Ingredients should be mixed by diluting purified water. The instructions and product information of the manufacturer should be carefully considered.
- Includes all necessary materials to obtain 100 liters of liquid haemodialysis acidic concentrate.
- Usually formed by 7 parts [Sodium chloride (NaCl), Calcium chloride ( $\text{CaCl}_2$ ), Magnesium chloride, ( $\text{MgCl}_2$ ), Potassium chloride (KCl), Glucose ( $\text{C}_6\text{H}_{12}\text{O}_6$ ), Acetic Acid ( $\text{CH}_3\text{COOH}$ ) and Sodium Acetate ( $\text{NaCH}_3\text{COO}$ )].
- The exact mix of ingredients must be defined based on specific treatment requirements.
- All Insprasol liquid acidic concentrate formulations are also available for Insprasol Haemodialysis Powder Acid Concentrate.



## OUR PRODUCTS | ACID CONCENTRATES

### Insprazol Haemodialysis Acid Concentrates Formulation List

1+34

| Product Name / Code | Dilution Rate | Sodium (Na+) mmol/L | Potassium (K+) mmol/L | Calcium (Ca+2) mmol/L | Magnesium (Mg+2) mmol/L | Chloride (Cl-) mmol/L | Acetic Acid (Ac-) mmol/L | HCO <sub>3</sub> mmol/L | Glucose (C6H12O6) mmol/L |
|---------------------|---------------|---------------------|-----------------------|-----------------------|-------------------------|-----------------------|--------------------------|-------------------------|--------------------------|
| Insprazol A 1001    | 1+34          | 140                 | 2                     | 1,5                   | 0,5                     | 111                   | 3                        | 32                      | 5,55                     |
| Insprazol A 1002    | 1+34          | 138                 | 2                     | 1                     | 0,5                     | 108                   | 3                        | 32                      | 5,55                     |
| Insprazol A 1003    | 1+34          | 138                 | 1                     | 1,25                  | 0,5                     | 107,5                 | 3                        | 32                      | 5,55                     |
| Insprazol A 1004    | 1+34          | 140                 | 2                     | 1,5                   | 0,5                     | 111                   | 3                        | 32                      | -                        |
| Insprazol A 1005    | 1+34          | 138                 | 2                     | 1,75                  | 0,5                     | 109,5                 | 3                        | 32                      | -                        |
| Insprazol A 1006    | 1+34          | 138                 | 2                     | 1,75                  | 0,5                     | 109,5                 | 3                        | 32                      | 5,55                     |
| Insprazol A 1007    | 1+34          | 138                 | 2                     | 1,25                  | 0,5                     | 108,5                 | 3                        | 32                      | 5,55                     |
| Insprazol A 1008    | 1+34          | 138                 | 2                     | 1,5                   | 0,5                     | 109                   | 3                        | 32                      | 5,55                     |
| Insprazol A 1009    | 1+34          | 138                 | 3                     | 1,5                   | 0,5                     | 110                   | 3                        | 32                      | 5,55                     |
| Insprazol A 1010    | 1+34          | 138                 | 3                     | 1                     | 0,5                     | 109                   | 3                        | 32                      | 11,1                     |
| Insprazol A 1013    | 1/34          | 140                 | 2                     | 1,25                  | 0,5                     | 110,5                 | 3                        | 32                      | 5,55                     |
| Insprazol A 1015    | 1/34          | 140                 | 2                     | 1,25                  | 0,5                     | 110,5                 | 3                        | 32                      | -                        |
| Insprazol A 1016    | 1/34          | 138                 | 2                     | 1                     | 0,5                     | 108                   | 3                        | 32                      | -                        |
| Insprazol A 1020    | 1/34          | 138                 | 0                     | 1,5                   | 0,5                     | 107                   | 3                        | 32                      | 0                        |
| Insprazol A 1021    | 1/34          | 138                 | 0                     | 1,5                   | 0,5                     | 107                   | 3                        | 32                      | 5,55                     |
| Insprazol A 1027    | 1/34          | 138                 | 2                     | 1,25                  | 0,5                     | 108,5                 | 3                        | 32                      | -                        |
| Insprazol A 1034    | 1/34          | 138                 | 1                     | 1,5                   | 0,5                     | 108                   | 3                        | 32                      | 11,1                     |
| Insprazol A 1035    | 1/34          | 138                 | 2                     | 1,5                   | 0,5                     | 109                   | 3                        | 32                      | -                        |
| Insprazol A 1045    | 1/34          | 138                 | 0                     | 1,75                  | 0,5                     | 110,5                 | 3                        | 32                      | 5,55                     |

1+35,83

| Product Name / Code | Dilution Rate | Sodium (Na+) mmol/L | Potassium (K+) mmol/L | Calcium (Ca+2) mmol/L | Magnesium (Mg+2) mmol/L | Chloride (Cl-) mmol/L | Acetic Acid (Ac-) mmol/L | HCO <sub>3</sub> mmol/L | Glucose (C6H12O6) mmol/L |
|---------------------|---------------|---------------------|-----------------------|-----------------------|-------------------------|-----------------------|--------------------------|-------------------------|--------------------------|
| Insprazol A 1150    | 1+35,83       | 140                 | 2                     | 1,75                  | 0,5                     | 107,5                 | 4                        | 35                      | -                        |
| Insprazol A 1151    | 1+35,83       | 140                 | 2                     | 1,75                  | 0,5                     | 107,5                 | 4                        | 35                      | 5,55                     |
| Insprazol A 1152    | 1+35,83       | 140                 | 2                     | 1,5                   | 0,5                     | 107                   | 4                        | 35                      | -                        |
| Insprazol A 1153    | 1+35,83       | 140                 | 2                     | 1,5                   | 0,5                     | 107                   | 4                        | 35                      | 5,55                     |
| Insprazol A 1154    | 1+35,83       | 140                 | 2                     | 1,25                  | 0,5                     | 106,5                 | 4                        | 35                      | 5,55                     |
| Insprazol A 1155    | 1+35,83       | 140                 | 1                     | 1,5                   | 0,5                     | 106                   | 5                        | 34                      | -                        |

1+44

| Product Name / Code | Dilution Rate | Sodium (Na+) mmol/L | Potassium (K+) mmol/L | Calcium (Ca+2) mmol/L | Magnesium (Mg+2) mmol/L | Chloride (Cl-) mmol/L | Acetic Acid (Ac-) mmol/L | HCO <sub>3</sub> mmol/L | Glucose (C6H12O6) mmol/L |
|---------------------|---------------|---------------------|-----------------------|-----------------------|-------------------------|-----------------------|--------------------------|-------------------------|--------------------------|
| Insprazol A 1101    | 1+44          | 138                 | 2                     | 1,25                  | 0,5                     | 108,5                 | 3                        | 32                      | -                        |
| Insprazol A 1102    | 1+44          | 138                 | 2                     | 1,25                  | 0,5                     | 108,5                 | 3                        | 32                      | 5,5                      |
| Insprazol A 1103    | 1+44          | 138                 | 2                     | 1,5                   | 0,5                     | 109                   | 3                        | 32                      | -                        |
| Insprazol A 1104    | 1+44          | 138                 | 2                     | 1,5                   | 0,5                     | 109                   | 3                        | 32                      | 5,5                      |
| Insprazol A 1105    | 1+44          | 138                 | 2                     | 1,75                  | 0,5                     | 109,5                 | 3                        | 32                      | -                        |
| Insprazol A 1106    | 1+44          | 138                 | 2                     | 1,75                  | 0,5                     | 109,5                 | 3                        | 32                      | 5,5                      |
| Insprazol A 1107    | 1+44          | 138                 | 3                     | 1,25                  | 0,5                     | 109,5                 | 3                        | 32                      | 5,55                     |
| Insprazol A 1108    | 1+44          | 138                 | 3                     | 1,5                   | 0,5                     | 110                   | 3                        | 32                      | 5,55                     |
| Insprazol A 1109    | 1+44          | 140                 | 2                     | 1,5                   | 0,5                     | 109                   | 3                        | 34                      | 5,55                     |
| Insprazol A 1110    | 1+44          | 138                 | 3                     | 1,25                  | 0,5                     | 109,5                 | 3                        | 32                      | -                        |

## OUR PRODUCTS | BASIC CONCENTRATES

- Basic haemodialysis concentrate for acute or chronic renal failure patients.
- Used by choosing an appropriate Insprasol Acidic Concentrate and diluting it with purified water.
- Canister material: polyethylene (HDPE).
- Shelf life: 24 months.

## LIQUID BICARBONATE CONCENTRATES

| Product Name / Code | Dilution Rate | NaHCO <sub>3</sub> |      | NaCl   |       | Trading Sale (Liters) |
|---------------------|---------------|--------------------|------|--------|-------|-----------------------|
|                     |               | mmol/L             | gr/L | mmol/L | gr/L  |                       |
| Insprasol B35       | 1+34 or 1+44  | 35                 | 84   | N/A    | N/A   | 5,6,10                |
| Insprasol B39       | 1+35,83       | 39                 | 66   | 26     | 30,58 | 6,10                  |



## DRY BICARBONATE CONCENTRATES

| Product Name / Code                            | NaHCO <sub>3</sub> (kgs) | Concentrate (Liters) |
|------------------------------------------------|--------------------------|----------------------|
| Insprabag Haemodialysis Sodium Bicarbonate Bag | 5                        | 59,5                 |
| Insprabag Haemodialysis Sodium Bicarbonate Bag | 8,40                     | 100                  |
| Insprabag Haemodialysis Sodium Bicarbonate Bag | 25                       | 297,6                |



## OUR PRODUCTS | SODIUM BICARBONATE

### INSPRACART

- Contains sodium bicarbonate powder according to the specifications of Ph.Eur and USP.
- Used for obtaining basic bicarbonate haemodialysis concentrate for extra-corporeal bicarbonate haemodialysis.
- Can be used in all dialysis machines (Baxter/Gambro, B.Braun, Nipro, Nikkiso etc.) with appropriate cartridge holders.
- Each 84.0 g of  $\text{NaHCO}_3$  (sodium bicarbonate) from the Inspracart can be used to produce 1 liter of basic concentrate. Depending on the size of the cartridge used, you can produce 6.55 - 11.43L of basic concentrate.

The acidic concentrate, the alkaline concentrate saturated by dissolution and the dialysis water can be used in the following typical mixing ratios: 1 + 1.225 + 32.775 / 1 + 1.775 + 42.225 / 1 + 1.575 + 42.425.

Depending on the mixing ratio, between 25.35L and up to 28.57L ready-to-use dialysis fluid can be made from one liter of basic concentrate for the treatment.

- Cartridge material: polypropylene (PP).
- Shelf life: 24 months.

## OUR PRODUCTS | SODIUM BICARBONATE

**Solution amounts which can be obtained from Inspracart:**

| Product    | NaHCO <sub>3</sub> | Dialysis Solution (Liters) |
|------------|--------------------|----------------------------|
| Inspracart | 550 g              | 160-180                    |
| Inspracart | 650 g              | 190-210                    |
| Inspracart | 720 g              | 210-235                    |
| Inspracart | 750 g              | 220-245                    |
| Inspracart | 760 g              | 225-250                    |
| Inspracart | 850 g              | 252-283                    |
| Inspracart | 920 g              | 270-305                    |
| Inspracart | 960 g              | 285-315                    |



## OUR PRODUCTS | SODIUM BICARBONATE

### INSPRABAG

- Contains sodium bicarbonate powder according to the specifications of Ph.Eur and USP.
- Used for obtaining basic bicarbonate haemodialysis concentrate for extra-corporal bicarbonate haemodialysis.
- Can be used with Fresenius haemodialysis machines.
- Each 84.0 g of  $\text{NaHCO}_3$  (sodium bicarbonate) from the Inspracart can be used to produce 1 liter of basic concentrate. Depending on the size of the bag, you can produce 7.74 - 10.71L of basic concentrate.

The acidic concentrate, the alkaline concentrate saturated by dissolution and the dialysis water can be used in the following typical mixing ratios: 1 + 1.225 + 32.775 / 1 + 1.775 + 42.225 / 1 + 1.575 + 42.425.

Depending on the mixing ratio, between 25.35L and up to 28.57L ready-to-use dialysis fluid can be made from one liter of basic concentrate for the treatment.

- Bag material: polyethylene (LDPE).
- Shelf life: 24 months.

#### Solution amounts which can be obtained from Insprabag:

| Product   | $\text{NaHCO}_3$ | Dialysis Solution (Liters) |
|-----------|------------------|----------------------------|
| Insprabag | 650 g            | 190-210                    |
| Insprabag | 900 g            | 265-300                    |



## OUR PRODUCTS | DIALYSIS MACHINE DISINFECTANTS

- For thermo-chemical disinfection and decalcification of haemodialysis machines with recirculation.
- Excellent disinfection performance in combination with thermal disinfection.
- Colorless and odorless.
- Possible to store long term and easy to control under various conditions due to excellent stability.

### Full effectiveness for:

- Bactericidal (S.aureus, P.aeruginosa, E.hirae) - EN -13727 EN 14561.
- Fungicidal (C.albicans, A.niger) - EN 13624.
- Mycobacterium terrae (ATCC 15755), Mycobacterium avium (ATCC 15769) - TS EN 14348.
- Virucidal (Poliovirus type1-, Adenovirus Type 5- and Murine Norovirus) - TS EN 14476.
- Blood residuals and calcium / magnesium deposits.



| Product Name / Code | Citric Acid % | Malic Acid % | Lactic Acid % | Purified Water (R.O) |
|---------------------|---------------|--------------|---------------|----------------------|
| Inspradez C.M.L 2,5 | 21            | 2,5          | 2,5           | Enough Quantity      |
| Inspradez C50       | 50            | -            | -             | Enough Quantity      |

## PACKAGING

### Insprasol Acid and Basic Concentrates & Inspradez Machine Disinfectants Packaging

| Product                                                       | Size | PCS/Box    | Box/Pallet | Pallet/20'DC | Pallet/40'DC | Truck   |
|---------------------------------------------------------------|------|------------|------------|--------------|--------------|---------|
| Insprasol Haemodialysis Acid Concentrates                     | 5 L  | 2/1 or 4/1 | 150/1      | 10/1         | 21/1         | 24 tons |
|                                                               | 8 L  | 2/1        | 100/1      |              |              |         |
|                                                               | 10 L | 2/1        | 100/1      |              |              |         |
| Insprasol Haemodialysis Basic Concentrates                    | 5 L  | 2/1 or 4/1 | 150/1      |              |              |         |
|                                                               | 6 L  | 4/1        | 144/1      |              |              |         |
|                                                               | 10 L | 2/1        | 100/1      |              |              |         |
| Inspradez Haemodialysis Machine Disinfectants C.M.L 2,5 / C50 | 5 L  | 2/1        | 160/1      |              |              |         |
|                                                               | 10 L | 2/1        | 100/1      |              |              |         |

### Insprasol Acid Concentrates Packaging without Boxes

| Product                                   | Size   | PCS/Pallet | Pallet/20'DC | Pallet/40'DC | Truck   |
|-------------------------------------------|--------|------------|--------------|--------------|---------|
| Insprasol Haemodialysis Acid Concentrates | 5 L    | 150/1      | 10/1         | 21/1         | 24 tons |
|                                           | 8 L    | 120/1      |              |              |         |
|                                           | 10 L   | 100/1      |              |              |         |
|                                           | 1000 L | 1/1        |              |              |         |

### Insprasol Basic Concentrates Packaging without Boxes

| Product                                    | Size | PCS/Pallet | Pallet/20'DC | Pallet/40'DC | Truck   |
|--------------------------------------------|------|------------|--------------|--------------|---------|
| Insprasol Haemodialysis Basic Concentrates | 5 L  | 150/1      | 10/1         | 21/1         | 24 tons |
|                                            | 6 L  | 150/1      |              |              |         |
|                                            | 10 L | 100/1      |              |              |         |



## PACKAGING

### Insprasol Haemodialysis Powder Acid Concentrate Packaging

| Product                                          | Size | PCS/Pallet | Pallet/20'DC | Pallet/40'DC | Truck   |
|--------------------------------------------------|------|------------|--------------|--------------|---------|
| Insprasol Haemodialysis Powder Acid Concentrates | 1/1  | 40/1       | 10/1         | 21/1         | 24 tons |



### Insprasol Powder Basic Concentrate Packaging

| Product                             | Size     | PCS/Box | Case/Pallet | Pallet/20'DC | Pallet/40'DC | Truck   |
|-------------------------------------|----------|---------|-------------|--------------|--------------|---------|
| Insprasol Powder Basic Concentrates | 5 kgs    | 5/1     | 32/1        | 10/1         | 21/1         | 24 tons |
|                                     | 8,40 kgs | 4/1     | 32/1        | 10/1         | 21/1         |         |
|                                     | 25 kgs   | -       | 49/1        | 10/1         | 21/1         |         |



## PACKAGING

### Insprasol Haemodialysis Sodium Bicarbonate Cartridge Packaging

| Product                                                | Size  | PCS/Box | Box/ Pallet         | Pallet/20'DC | Pallet/40'HC | Truck   |
|--------------------------------------------------------|-------|---------|---------------------|--------------|--------------|---------|
| Inspracart Haemodialysis Sodium Bicarbonate Cartridges | 550 g | 10/1    | 100/1<br>or<br>96/1 | 10/1         | 21/1         | 24 tons |
|                                                        | 650 g |         |                     |              |              |         |
|                                                        | 720 g |         |                     |              |              |         |
|                                                        | 750 g |         |                     |              |              |         |
|                                                        | 760 g |         |                     |              |              |         |
|                                                        | 850 g |         |                     |              |              |         |
|                                                        | 900 g |         |                     |              |              |         |
|                                                        | 920 g |         |                     |              |              |         |
|                                                        | 960 g |         |                     |              |              |         |



### Insprasol Haemodialysis Sodium Bicarbonate Bag Packaging

| Product                                         | Size  | PCS/Box | Box/ Pallet | Pallet/20'DC | Pallet/40'HC | Truck   |
|-------------------------------------------------|-------|---------|-------------|--------------|--------------|---------|
| Insprasol Haemodialysis Sodium Bicarbonate Bags | 650 g | 16/1    | 64/1        | 11/1         | 24/1         | 24 tons |
|                                                 | 900 g | 12/1    | 64/1        |              |              |         |



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