

**PACKAGE LEAFLET: INFORMATION FOR THE USER**  
**<INVENTED NAME>, solution for infusion**  
**(Compound Sodium Lactate Intravenous Infusion B.P.)**  
**Sodium chloride, potassium chloride, calcium chloride dihydrate,**  
**sodium lactate 60%**

**Read all of this leaflet carefully before being given this medicine because it contains important information for you.**

- Keep this leaflet. You may need to read it again.
- If you have any further questions, ask your doctor or nurse.
- If you get any side effects, talk to your doctor or nurse. This includes any possible side effects not listed in this leaflet. See section 4.

What is in this leaflet

1. What <invented name> is and what it is used for?
2. What you need to know before you are given <invented name>?
3. How <invented name> is given?
4. Possible side effects ?
5. How to store <invented name>?
6. Contents of the pack and other information?

**1. WHAT <INVENTED NAME> IS AND WHAT IT IS USED FOR**

<invented name> is a clear solution of sodium chloride, potassium chloride, calcium chloride dihydrate and sodium lactate 60% in water. The solution is stored in a sealed plastic container.

Sodium, potassium, calcium and chloride ions are important for maintaining the correct balance of fluid in and around the body's cells and tissues and are involved in nerve signals and muscle contractions. <invented name> may be given for a variety of reasons: -to help restore fluid levels and the normal salt balance

-to correct for low blood pressure or decreased blood volume

-to treat metabolic acidosis, a condition where there is increased acid in the body. The solution may be given alone but may be given with other medicines added.

You will be given <invented name> in hospital by a doctor or nurse.

**2. WHAT YOU NEED TO KNOW BEFORE YOU ARE GIVEN <INVENTED NAME>**

**You MUST NOT be given <invented name> if you have:**

- increased levels of **sodium, potassium, calcium or chloride** in the blood.

These conditions can be detected in blood tests

- severe **kidney disease** and you are passing little or no urine
- suffered **heart failure**
- increased **blood volume** or **fluid retention** (water intoxication, or excess water content in the body)
- severe **metabolic acidosis** or **lactic acidosis**, when you have increased acid in the body

- **metabolic alkalosis**, when you have less acid in the body than normal
- severe **liver disease** or cannot breakdown **lactate**
- **swelling** caused by fluid retention
- heart disease which is being treated with the medicine digitalis
- a requirement to take **additional medicines** which may lead to increased potassium levels in the body, such as diuretics (water pills)

**Warnings and precautions**

Talk to your doctor or nurse before being given <invented name> if you:

- have **heart, kidney or liver disease**, or **swelling** caused by fluid retention
- have **high blood pressure**
- have any condition which causes increased levels of **Vitamin D**
- have or have had **kidney stones**
- have any condition which may lead to increased **potassium** levels in the blood, such as extensive tissue destruction as occurs with severe burns, or acute dehydration
- have **pre-eclampsia** of pregnancy
- are **very young or elderly**.

**Other medicines and <invented name>**

Tell your doctor if you are taking, have recently taken or might take any other medicines.

In particular, please tell your doctor if you are taking any of the following:

- **digitalis** (for heart disease). You must not be given <invented name> if you are taking digitalis
- the **water tablets** spironolactone, triamterene, amiloride, potassium canrenoate (diuretics used in congestive heart failure)
- **thiazide diuretics**
- medicines for treatment of **high blood pressure** (ACE inhibitors and angiotensine II inhibitor)
- **corticosteroids**, used to treat inflammation
- **tacrolimus** and **ciclosporin** (medicines used to prevent tissue rejection after transplantation)
- **Vitamin D**
- **salicylates, barbiturates** and **lithium**
- **adrenaline** and the **stimulants** dexamphetamine sulphate, phenfluramine hydrochloride

- **biphosphonates** (for the treatment of bone disorders, and menopausal symptoms)
- the antibiotic **tetracycline** and some **fluoroquinolones**
- **carbenoxolone** used to treat ulcers
- **pseudoephedrine** used to treat sinus or nasal congestion from colds, hayfever, allergies
- **fluoride** (used to prevent dental caries).

#### **Pregnancy, breast-feeding and fertility**

If you are pregnant or breast-feeding, think you may be pregnant or are planning to have a baby, ask your doctor for advice before being given this medicine.

The solution should be used with care during pregnancy and breast-feeding. Breastfeeding mothers should be aware that calcium will pass into breast-milk.

#### **Driving and using machines**

The solution has no effect on your ability to drive or use machines.

### **3. HOW RINGER LACTATE IS GIVEN**

The solution will be given to you in hospital.

You will receive the solution by infusion into a vein, probably in your arm, administered by a doctor or nurse. The amount and rate at which the infusion is given depends on your requirements, such as your age, weight and clinical condition. Your doctor will decide on the correct volume for you to receive.

Your doctor will check your response to the treatment by the relief of your symptoms, and will probably take samples of blood and urine for laboratory testing.

If your levels of potassium could be raised, the level of this salt in your blood will be carefully checked.

Your doctor will monitor you carefully if you have heart or lung disease and you need to be given high volumes of the solution.

Levels of potassium in <invented name> are not high enough to treat severely low blood potassium.

If you are given solutions by infusion for a long period of time, your doctor will also provide you with suitable intravenous feeding.

#### **If you are given more solution than you should:**

It is unlikely you will be given too much solution as your doctor or nurse will be checking your response to the treatment. If too much solution is given or if it is infused too quickly, the levels of potassium, sodium, calcium and lactate in the body may become too high. If you are concerned about the volume of solution given, or are

worried about any effects you notice, talk to your doctor or nurse.

If you have any further questions on the use of this medicine, ask your doctor or nurse.

### **4. POSSIBLE SIDE EFFECTS**

Like all medicines, this medicine can cause side effects, although not everybody gets them.

#### **The infusion should be stopped immediately if you experience an adverse reaction.**

If you are given the solution for a long time, you may notice the following:

- irritation, swelling, redness and tenderness at the site of injection. You may get inflammation of the vein and blood clots in the vein.

#### **Very common side effects are:**

- symptoms of an allergic reaction such as urticaria (hives), skin redness, rash, itching, swelling of the face, lips, throat or tongue, respiratory symptoms such as nasal congestion, difficulty in breathing, wheezing, coughing, sneezing
- upset levels of electrolytes (salts) in your body giving symptoms such as muscle weakness, swelling, prickling sensation in hands and feet, low or high blood pressure, shortness of breath, confusion, nausea
- if you have heart disease or fluid accumulation in your lungs you may experience water intoxication, or excess water content in the body and heart failure

#### **Common side effects are:**

- chest tightness
- chest pain with a decrease or increase in heart rate
- feelings of anxiety

#### **Uncommon side effects are:**

- panic attacks and seizure, caused by increases of lactate levels in the blood.

#### **Reporting of side effects**

If you get any side effects, talk to your doctor or nurse. This includes any possible side effects not listed in this leaflet. You can also report side effects directly (see details below). By reporting side effects you can help provide more information on the safety of this medicine.

### **5. HOW TO STORE <INVENTED NAME>**

Keep this medicine out of the sight and reach of children.

Do not store above 25°C. Store in the outer container, in order to protect from light.

Do not use this medicine after the expiry date which is stated on the label after EXP. The expiry date refers to the last day of that month.

The solution should only be used if it is clear and the container is not damaged. It should be used immediately on removal from the overwrap. Any unused solution in the bag must be discarded.

Do not throw away any medicines via wastewater or household waste. The doctor or nurse will dispose of this medicine. These measures will help to protect the environment.

**This leaflet was last revised in 06/2023.**

## **6. CONTENTS OF THE PACK AND OTHER INFORMATION**

### **What <invented name> contains**

The active substances are sodium chloride, potassium chloride,

calcium chloride dihydrate and sodium lactate 60%.

Each litre of

solution contains 6 g sodium chloride, 0.4 g potassium chloride,

0.27 g calcium chloride dihydrate and 5.16 g sodium lactate 60%.

The other ingredient is water for injections.

### **What <invented name> looks like and contents of the pack**

<invented name> is a clear, colourless solution. The solution is packaged in a plastic bag or flexible container with an integral infusion set for direct connection to a catheter. It is available in sizes of 250 ml, 500 ml and 1000 ml.

Not all pack sizes may be marketed.

### **Marketing Authorisation Holder**

[To be completed nationally]

### **Manufacturer**

DELPHARM MOUVAUX

Rue Michel Raillard

59420 Mouvaux

France

### **This medicinal product is authorised in the Member States of the EEA under the following names:**

France: RINGER LACTATE AGUETTANT, solution pour perfusion

Luxembourg : RINGER LACTATE CARELIDE, solution pour perfusion

Ireland, United Kingdom: Hartmann's solution -

Compound Sodium Lactate Intravenous Infusion B.P.

The Netherlands: Ringer Lactaat CARELIDE, oplossing voor intraveneuze infusie.