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Directions for Use

B. Braun Melsungen AG · 34209 Melsungen, Germany

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Compound Sodium Lactate Solution for Infusion

(Hartmann's Solution)

Composition

Each 1000 ml contains:

– Active ingredients

Sodium Chloride	6.00 g
Sodium Lactate	3.12 g
Potassium Chloride	0.40 g
Calcium Chloride dihydrate	0.27 g

– Excipients

Water for Injections to	1000 ml

Electrolytes:	mmol/l
Sodium	131
Potassium	5
Calcium	2
Chloride	111
Bicarbonate (as lactate)	29
Osmolarity:	278 mOsml/l

Characteristics

Compound Sodium Lactate Intravenous Infusion has a similar electrolyte composition as the extracellular fluid. The lactate ion is gradually metabolised and converted to bicarbonate in a concentration also resembling that of extracellular fluid. Additionally the lactate ion exerts a slight alkalinising effect.

Indications

Because of its close resemblance to the plasma mineral content, Compound Sodium Lactate Intravenous Infusion is used as fluid and electrolytes replacement.

Dosage

The dosage depends on age, weight and clinical condition of the patient.

General guideline for adults:
Average dose: 1000 ml/day

Flow rate: up to 100 drops/min ≙ 300 ml/h.

Route of administration

I. V.

Contraindications

Compound Sodium Lactate Intravenous Infusion should not be used in patients with circulatory overload, congestive heart failure, hypertension, impaired renal function and severe liver damage, the latter because of the inability to convert lactate into bicarbonate.

It is further contraindicated in oedema with sodium retention and respiratory alkalosis.

Precautions

Clincial evaluation and periodic laboratory determinations are necessary to monitor changes in fluid balance, electrolyte concentrations, and acid-base balance during prolonged parenteral therapy or whenever the condition of the patient warrants such evaluation.

Caution must be exercised in the administration of compound sodium lactate infusion to patients receiving corticosteroids or corticotropin.

No other medication or substance should be added to this fluid unless known to be compatible.

Do not store solutions containing additives.

Solutions containing calcium ions should not be administered simultaneously through the same administration set as blood because of the likelihood of coagulation.

Warnings

Compound Sodium Lactate Intravenous Infusion should be used with great care, if at all, in patients with hyperkalemia, in conditions in which potassium retention is present, in patients with metabolic alkalosis.

The administration of lactate ions should be done with great care in those conditions in which there is an increased level or an impaired utilization of lactate ions.

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Not intended and non-effective for correcting severe acidosis states that require immediate restoration of plasma bicarbonate levels.

Sodium lactate has no advantage over sodium bicarbonate and may be detrimental in the management of lactic acidosis.

Adverse Reactions

Reactions which may occur because of the solutions or the technique of administration include fabrile response, infection at the site of injection, venous thrombosis of phlebitis extending from the site of injection, extravasion and hypervolemia.

If an adverse reaction does occur, discontinue the infusion, evaluate the patient, institute appropriate therapeutic countermeasures, and save the remainder of the fluid for examination if deemed necessary.

Storage

Do not store above 25°C.

Presentation

500 ml and 1000 ml Ecoflac® plus containers

References

Facts & Comparisons 1992. p. 50

License Holder

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