

Neosol®

(Sodium Chloride 0.225% W/V and Dextrose 5% W/V)

Description

Neosol is a sterile, pyrogen free solution of Dextrose and Sodium Chloride in water for injection for intravenous administration. Each 100 ml of solution contains Dextrose Monohydrate equivalent to Dextrose Anhydrous BP 5.0 gm and Sodium Chloride BP 0.225 gm. The approximate concentration of sodium and chloride ions in Neosol is 37.5 mmol per litre.

Uses

Neosol is indicated in combined water and sodium depletion and in deficiency of carbohydrate. It is also used in plasma-isotonic fluid, electrolyte and carbohydrate replacement therapy in patients who are unable to take fluid and nutrition by mouth e.g. in case of persistent vomiting, during and after surgery, shock or accidents.

Dosage and Administration

The volume and rate of infusion of the solution depends on the clinical condition, age and body surface area of the patient and judgement of the physicians. Ordinarily, normal circulation is restored by infusing 20-30 ml/kg as rapidly as possible. The laboratory findings should be available by this time so that the physician can proceed more slowly with logically planned subsequent fluid therapy.

Precautions

As the preparation contains sodium chloride, it should be administered with caution to patients with congestive heart failure, peripheral or pulmonary edema and impaired renal function.

Warning

Infusion of fluid should be immediately discontinued if rigor arises for any reason during the process. Do not use if the solution is cloudy, contains particles, or after the expiry date.

Contraindications

Neosol is contraindicated in patients with hypernatremia, acidosis, hypokalemia and fluid overload.

Adverse Effects

General adverse effects of excess sodium in the body include nausea, vomiting, diarrhoea, abdominal cramps, thirst, reduced salivation, sweating, fever, hypertension, renal failure, peripheral & pulmonary edema, convulsion and coma. Prolonged administration or rapid infusion of glucose solution may cause edema and water intoxication.

Storage

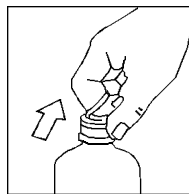
Neosol should be stored at controlled room temperature.

Packaging

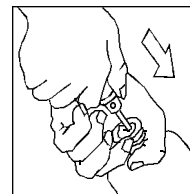
Available in 250 ml polyethylene bottle containing 0.225% w/v of Sodium Chloride and 5% w/v of Dextrose.

Administration Procedure:

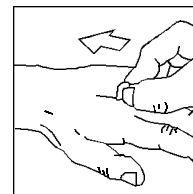
1. Check infusion set and infusion solution prior to use.
2. Pull moderately to tear off the protective cover of the Eurocap (*Picture-1*).
3. Hold lightly the Eurocap but not the bottle body (*Picture-2*).
4. Open the flow regulator fully and hold the giving set on the top white area, but not the membrane venting region (*Picture-2*).
5. Insert the spike of the administration set to the Eurocap and fit the connector of the administration set firmly to the needle (*Picture-2*).
6. Gradually allow the fluid to flow down to the needle tip and close.
7. Remove the protective cover of the needle.
8. Locate the venipuncture site and clean the site with an antiseptic solution, and then insert the needle (*Picture-3*).
9. Securely tape the puncture site.
10. Securely tape the wings and tubing
11. Start infusion while adjusting drip speed.



Picture-1



Picture-2



Picture-3

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BEXIMCO PHARMACEUTICALS LTD.
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