

Fructin® 10

(Fructose BP 10% w/v)
Intravenous Infusion BP

Description

Fructin 10 is a clear, colorless or pale yellow, sterile solution of fructose. Each 100ml of Fructin 10 contains fructose BP 10g. Each litre of Fructin 10 contains 555 mOsm and supplies 375 kcal energy.

Uses

Fructin 10 is used intravenously as a carbohydrate nutrient. It is converted to liver glycogen and metabolized more rapidly than dextrose without requiring insulin and thus may be used in diabetic patients. Fructin 10 is indicated in patients requiring fluid replacement and caloric feeding. It is better “nitrogen-sparer” than glucose.

Dosage and administration

The volume and rate of infusion of fructose IV solution will depend upon the requirements of the patient and the judgement of attending physician. But the rate of infusion of fructose should not exceed 0.5-1 g/kg body weight per hour. The usual recommended flow rate for adult is 30-75 drops per minute infused intravenously.

Precaution

Fructose should not be given to patients with hereditary fructose intolerance. It should be given with caution to patients with impaired kidney function or severe liver damage.

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 expiry date.

Adverse effects

Intravenous administration of fructose may cause lactic acidosis and hyperuricemia. The rapid infusion of fructose results in facial flushing, abdominal pain and sweating.

Contraindications

Fructose is contraindicated in certain inborn errors of fructose metabolism, methyl alcohol poisoning, hyperuricemia, liver failure, and lactic acidosis.

Storage

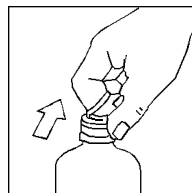
Fructin 10 should be stored at controlled room temperature.

Packaging

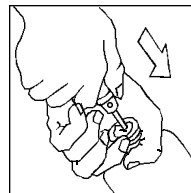
Fructin 10 is available in 500ml polyethylene bottle containing 10% w/v of fructose BP.

Administration Procedure:

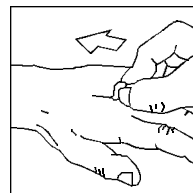
1. Check infusion set and infusion solution prior to use.
2. Pull moderately to tear off the protective cover of the Eurocap (*Picture-1*).
3. Hold lightly the Eurocap but not the bottle body (*Picture-2*).
4. Open the flow regulator fully and hold the giving set on the top white area, but not the membrane 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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PHARMA**

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BEXIMCO PHARMACEUTICALS LTD.
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