

Dexaqua[®]

(5% w/v Dextrose)

Description

Dexaqua is a sterile solution of Dextrose Monohydrate. Each 100 ml of solution contains Dextrose Monohydrate equivalent to Dextrose anhydrous BP 5 g.

Uses

Dextrose is administered in the treatment of carbohydrate and fluid depletions. It is mainly used to replace water deficiency and should be given alone when there is no significant loss of electrolytes. Water depletion (dehydration) tends to occur when these losses are not matched by a comparable intake, as for example may occur in coma or dysphagia or in the aged person who may not drink water in sufficient amount on their own initiative. It provides a readily metabolizable nutrient. One litre of 5% solution provides about 170 calories. Glucose solutions are also given in regimens with calcium bicarbonate, and insulin for the emergency management of hyperkalaemia. They are also given, after correction of hyperglycaemia, during treatment of diabetic ketoacidosis, when they must be accompanied by continuing insulin infusion. Dexaqua also may act as a suitable vehicle for the slow intravenous infusion of numerous drugs.

Dose

The dose of Dextrose infusion is variable. It is dependent on individual patient requirements. For 5% dextrose solution, the dose frequently ranges from 500 to 1000 ml. The maximum rate of infusion that will not cause glycosuria is 0.5 g/kg/hr. About 95% is retained when the rate is 0.8 g/kg/hr. the maximum rate of glucose utilization is about 800 mg per kg body weight per hour.

Precaution

Serum glucose concentration should be carefully monitored. Concurrent use of insulin may be needed in case of diabetic patients. Dextrose solution should not be mixed with whole blood as haemolysis and clumping may occur.

Warning

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

Storage

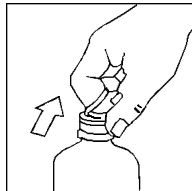
Dexaqua should be stored at controlled room temperature.

Packaging

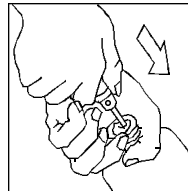
Available in 500 ml and 1000 ml bottle containing 5% w/v of Dextrose.

Administration Procedure:

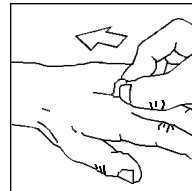
1. Check infusion set and infusion solution prior to use.
2. Pull moderately to tear off the protective cover of the Eurocap (*Picture-1*).
3. Hold lightly the Eurocap but not the bottle body (*Picture-2*).
4. Open the flow regulator fully and hold the giving set on the top white area, but not the membrane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