



19/12220620/1205

Directions for Use

B. Braun Melsungen AG · 34209 Melsungen, Germany

10 % w/v Glucose Intravenous Infusion

Composition

1000 ml of solution contain

Active ingredients:

Glucose 100.0 g
(as glucose monohydrate 110.0 g)

Excipient:

Water for Injections

Carbohydrate content 100 g/l

Caloric value 1675 kJ/l \triangleq 400 kcal/l

Theoretical osmolarity 555 mOsm/l

Titration acidity (to pH 7.4) < 0.5 mmol/l

pH 3.5 – 5.5

Pharmaceutical form

Solution for infusion

Pharmaco-therapeutic group

Solution for energy supply

Indications

- Administration of glucose for energy supply,
- Therapy of hypoglycaemia,
- Vehicle solution for compatible electrolyte concentrates and medicaments.

Contraindications

- Elevated blood sugar concentration (hyperglycaemia),
- Decreased blood potassium concentration (hypokalaemia),
- High concentration of acid substances in blood (Acidosis)
- Hyperhydration,
- Simultaneous sodium and water deficiency (hypotonic dehydration).

Special warnings and precautions for use

The solution should be administered with caution to patients with increased serum osmolarity.

Patient monitoring should include regular checks of the blood glucose level, depending on the prevailing metabolic condition and the administered dose.

Patient monitoring should also include regular checks of water balance, serum electrolyte concentrations - in particular serum potassium -, and acid-base balance.

Glucose infusions should not be administered through the same infusion equipment, simultaneously with, before or after administration of blood, because of the possibility of pseudo-agglutination.

Interactions

Because 10 % w/v Glucose Intravenous Infusion has an acid pH, incompatibilities can occur on mixing with other medicaments.

Erythrocyte concentrates must not be suspended in 10 % w/v Glucose Intravenous Infusion because this can lead to pseudo-agglutination.

Dosage

The dose is to be adjusted according to the patient's actual need of glucose and fluid.

Maximum daily dose:

Up to 40 ml per kg body weight, corresponding to 4 g of glucose.

In the presence of metabolic disorders (e.g. post-operatively or after injuries, hypoxia, organ insufficiencies), the oxidative metabolism of glucose may be impaired. In such situations the glucose intake should be limited to 2 - 4 g per kg body weight/day.

For use as vehicle solution, a volume should be chosen that yields the desired concentration of the medicament to be dissolved or diluted.



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Maximum infusion rate

The maximum infusion rate is 2.5 ml per kg body weight per hour, corresponding to 0.25 g of glucose per kg body weight per hour. The maximum drop rate is 0.8 drops per kg body weight per minute. Thus for a patient weighing 70 kg the maximum infusion rate is approx. 175 ml/hour (corresponding to a maximum drop rate of 56 drops/min), resulting in a glucose intake of 17.5 g/hour.

Method of administration

Intravenous infusion. The solution can be administered peripherally.

If 10 % w/v Glucose Intravenous Infusion is used as vehicle solution the possibility of peripheral infusion can be limited by the nature or the concentration of the dissolved drug.

Overdose**Symptoms**

Overdose may cause hyperglycaemia, glucosuria, serum hyperosmolarity, possibly leading to hyperosmotic and hyperglycaemic coma, further hyperhydration and electrolyte disorders.

Emergency treatment, antidotes

The primary therapy is dose reduction. Disorders of

the glucose metabolism and of the electrolyte balance can be corrected by administration of insulin and appropriate supplementation of electrolytes.

Undesirable effects

None to be expected if the solution is used according to instructions.

Note

Patients are advised to inform their doctor or pharmacist if they notice any adverse effect in connection with the administration of the product.

Expiry date

The product must not be used beyond the expiry date stated on the labelling.

Instructions for storage/use/handling

Only to be used if solution is clear and container undamaged.

The solution is supplied in single-use containers. Unused contents must be discarded and not be stored for later use.

Date of last revision: 06.2004

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