

# Dextrose 10%

## GENERIC NAME

Dextrose

## TRADE NAME

Dextrose 10

## DESCRIPTION

Dextrose is a simple sugar that is rapidly metabolized by the body, providing quick restoration of blood glucose levels.

## HOW SUPPLIED

Prefilled bag: 25 grams/250 ml (10% solution)

## INDICATIONS

- Hypoglycemia

## CONTRAINDICATIONS

- No major contraindications for IV administration of Dextrose.
- Known or suspected CVA (stroke) in the absence of hypoglycemia.

## MECHANISM OF ACTION

Rapidly restores blood glucose levels in cases of hypoglycemia.

## SIDE EFFECTS

- Local venous irritation and potential tissue necrosis if IV infiltration occurs.

## AUTHORIZATION

**EMT:** Not authorized

**AEMT:** Standing order

**Paramedic:** Standing order

## DOSAGE

- **Adult:** 250 ml IV/IO wide open, may repeat once if blood glucose remains < 60 mg/dL.
- **Pediatric:** 5 ml/kg (0.5 g/kg) IV/IO, may repeat once if blood glucose remains < 60 mg/dL.

## ADMINISTRATION NOTES

- If desired dose is  $\leq$  100 ml, draw the required amount of D10 into a syringe and administer via slow IV/IO push using the port closest to the patient.
- If the desired dose is > 100 ml, administer by running wide open as a piggy-back to Normal Saline.

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