

Dextrose (D10W)

Medical Diabetic Emergencies
Medical Convulsive Seizures, Status Epilepticus
Pediatric Medical Convulsive Seizures, Status Epilepticus
Pediatric Cardiac Neonatal Resuscitation
Obstetrics Pre-Eclampsia and Eclampsia

I	Grey 3-5 Kg	Pink 6-7 Kg	Red 8-9 Kg	Purple 10-11Kg	Yellow 12-14 Kg	White 15-18 Kg	Blue 19-23 Kg	Orange 24-29 Kg	Green 30-36 Kg	Adult >36 Kg
	IV 2 g 20 mL	IV 3 g 30 mL	IV 4 g 40 mL	IV 5 g 50 mL	IV 6.5 g 65 mL	IV 8 g 80 mL	IV 10.5 g 105 mL	IV 13.5 g 135 mL	IV 16.5 g 165 mL	IV 25 g 250 mL

KEY POINT

Pre-Mix (If Available):

- Use the pre-mixed D10W (250ml bag with 25 Grams)
- Adults: Wide open bolus of 250 mL's when the IV/IO is obtained
- Pediatrics: Administer per the weight based chart (5mL/Kg IV/IO up to 25 grams/250 mL)
- Use of a Buretrol is ideal but not required
- Secondary option: If a Buretrol is not available is to give the desired volume SIVP

Mixing D10W:

- Remove 50mL's from a 250mL underfill and inject 25 Grams (50mL's) of D50W in to the mixing underfill

Class:

- Carbohydrate

Description of Use:

- Restores blood glucose levels in hypoglycemia and provides a source of carbohydrate calories

Pharmacokinetics: (Route: IV)

- Onset: Unknown
- Duration: Unknown
- Half-life: Unknown

Special Populations:

- Pregnancy Category: A
- Elderly: No age-related precautions noted
- Children: No age-related precautions noted

Contraindications:

- Hyperglycemia, Delirium tremens, Intracranial or Intraspinial hemorrhage

Adverse reactions:

- Hyperosmolar syndrome