



**REGION 11 CHICAGO EMS SYSTEM
DRUG TABLE**

Drug Name: Dextrose

Approved: EMS Medical Directors Consortium

DRUG NAME - GENERIC	Dextrose
DRUG NAME - TRADE	D50, Glucose
DRUG CLASSIFICATION	Glucose elevating agent
DOSAGE FORMS	Dextrose 10% (D10), 25 grams/250 ml water OR 50 grams/500 mL water Dextrose 50% (D50), 25 grams/50 ml injectable preload
ACTION(S)	- Increase in blood glucose concentrations
INDICATIONS	- Hypoglycemia
CONTRAINDICATIONS	- Known or documented hypersensitivity to dextrose, corn or corn products - Hyperglycemia
ADULT DOSE / ROUTE	- Dextrose 10% (D10) 100 mL IV boluses until mental status improves or BS > 60mg/dL. Note: 250 mL of D10 = 25 g glucose (same amount as 1 Amp of D50) - Alternate: Dextrose 50% (D50) 1 Amp IV push
PEDIATRIC DOSE / ROUTE	- All Ages: Dextrose 10% (D10) 5 mL/kg (0.5 g/kg) slow IV/IO using buretrol. Repeat slow IV as indicated. Max 250 ml (25g). - Newly born/Neonate: 15mL of Dextrose 10% (D10) slow IV/IO using buretrol. Repeat as indicated. - Alternative: > 8 years old: 1-2 mL/kg of Dextrose 50% (D50)
SIDE EFFECTS	- Hyperglycemia, warmth/burning from IV injection, diuresis, thrombophlebitis, tissue necrosis if IV/IO infiltrates.