



# El Dorado County Emergency Medical Services Agency

Quick Reference

Revised Date: July 1, 2020

## Medication Profile

### **Dextrose 10%**

#### **Class:**

Carbohydrate, hypertonic solution

#### **Action:**

Six-carbon sugar molecule, which is the principal form of carbohydrate utilized by the body. Elevates blood glucose level rapidly.

**Onset:** Immediate

**Peak:** Immediate

**Duration:** Varies

#### **Adult Administration:**

100cc of a 250cc bag of Dextrose 10% (10gm) IV bolus. May repeat every 5 minutes until BS is at normal limits.

#### **Pediatric Administration:**

##### **Neonatal (less than 1 month)**

2mL/kg IV/IO May repeat every 5 minutes until BS is at normal limit

##### **Infant/child (greater than 1 month)**

5 mL/kg IV/IO may repeat 5 minutes until BS is at normal limit

#### **Indications:**

Hypoglycemia

- Neonate less than 1 month
  - BS less than 50mg/dL
- Infant/child greater than 1 month
  - BS less than 60mg/dL
- Adult
  - BS less than 60mg/dL

#### **Contraindications:**

Hyperglycemia

#### **Side Effects:**

ENDO: Hyperglycemia

#### **Pregnancy:**

Category A

#### **Notes:**

- Effects may be delayed in elderly patients with poor circulation and those who have had

prolonged hypoglycemia.

**This document is not a substitute for Protocols and Procedures.**

Effective Date: January 1, 2019

**This document is not a substitute for Protocols and Procedures.**

Effective Date: September 1, 2020