

# Hydroxocobalamin (CyanoKit)

## Cyanide Poisoning

I	Adult	5 grams IV/IO over 15 minutes (If available). Re-assess blood pressure during and after infusion
	Pediatric	70 mg/kg IV/IO over 15 minutes (If available). Re-assess blood pressure during and after infusion <a href="#">Weight Based Pediatric Dosing Chart Link</a>

### \*\*\*KEY POINT\*\*\*

**A SEPARATE IV** is necessary to give this medication due to the multiple drug interaction potentials

#### **Class:**

- Antidote

#### **Description of Use:**

- Cyanide antidote; binds to cyanide ions to form cyanocobalamin, which gets excreted in the urine. Each hydroxocobalamin molecule can bind 1 cyanide ion by substituting it for the hydroxo ligand linked to the trivalent cobalt ion

#### **Pharmacokinetics: (Route: IV)**

- Onset: 1-2 min
- Half-life: 2-4 hrs

#### **Special Populations:**

- Pregnancy Class: C

#### **Contraindications:**

- No contraindications are known

#### **Adverse reactions:**

- Allergic reaction
- Increase in BP
- Skin redness