



Section 13: Appendix 1: Medications

HYDROXOCOBALMIN (CYANOKIT)

Pregnancy Category - C

P PARAMEDIC P

ACTIONS	Cyanide antidote – binds to cyanide ions for excretion
INDICATIONS	Known or suspected cyanide poisoning
CONTRAINDICATIONS	None in the emergency setting – assure airway, breathing, and circulatory support are in place prior to administration.
PRECAUTIONS	<ol style="list-style-type: none">1. Use caution if other cyanide antidotes are used simultaneously with Hydroxocobalmin (Cyanokit), use separate IV lines2. Do not use if there is particulate matter in the vial after reconstitution or the solution is not dark red
SIDE EFFECTS	<ol style="list-style-type: none">1. Possible allergic reaction2. Eye irritation, redness, swelling3. Abdominal pain, nausea, vomiting, diarrhea4. Chest discomfort5. Dizziness, restlessness6. Dyspnea, tight throat7. Skin flushing, urticaria
SUPPLIED	(2) 2.5 g vials for reconstitution – shake for 30 seconds per vial
ADULT DOSAGE	5 Grams over 15 minutes (7.5 minutes per vial x 2). May be repeated once. Max dose = 10 Grams. Must be in its own IV
PEDIATRIC DOSAGE	Not recommended in the prehospital setting
KEY POINTS	<ul style="list-style-type: none">• Discard unused medication after 6 hours• Reconstitute only with normal saline (0.9% sodium chloride)• May have drug interactions, administer all other medications via a separate IV line
PROTOCOL USE	<ul style="list-style-type: none">• Toxic Ingestion / Inhalation - Cyanide

Easy to administer in 4 simple steps

Starting Dose: 5 g (2 vials)

- 1. Reconstitute:** Add 100 mL of 0.9% Sodium Chloride Injection* to vial using transfer spike. **Fill to line. Vial in upright position**
- 2. Mix:** Rock or rotate vial for 30 seconds to mix solution. Do not shake
- 3. Infuse First Vial:** Use vented IV tubing to hang and infuse over 7.5 minutes
- 4. Infuse Second Vial (Repeat Steps 1 and 2 before second infusion):** Use vented IV tubing to hang and infuse over 7.5 minutes