

Initial Date: 07/19/2023

Revised Date:

Section: 9-26R

Hydroxocobalamin

Pharmacological Category: Antidote; Vitamin, Water Soluble

Routes: IV/IO

Indications:

1. Known or suspected cyanide poisoning.
2. Smoke inhalation with altered mental status and/or moderate to severe respiratory distress.

Precautions:

1. Numerous drugs and blood products are not compatible with hydroxocobalamin.
2. Push over 15 minutes
3. Hydroxocobalamin is incompatible with dopamine and fentanyl. Must flush line between medications.

Expected effects:

1. Increased blood glucose

Side effects:

1. Nausea
2. Vomiting
3. Abdominal pain
4. Red colored urine, skin, mucus membranes
5. Rash

Notes:

1. Hydroxocobalamin comes as a powder to be reconstituted prior to administration and is available as Cyanokit®
2. Reconstitute Cyanokit® (5 gm or 2.5 gm vial) for injection using sterile transfer spike with diluent (0.9%NaCl).
 - a. The line on each vial label represents the volume of diluent
 - b. Repeatedly inverted or rock vial (do not shake) prior to infusion
 - i. 5 gm bottle invert/rock for at least 60 seconds
 - ii. 2.5 gm bottle invert/rock for at least 30 seconds
 - c. Visually inspect solution - should be dark red with no particulates
 - i. Discard if visible particulates and/or not dark red