



# REGIONAL ADULT PARENTERAL DRUG MONOGRAPH

GENERIC NAME

**hydroxocobalamin**

**Effective Date:** Mar12-2014

**Revised Date:** June20-2018

CLASSIFICATION

**Antidote: cyanide poisoning**

OTHER NAMES

**Cyanokit**

PAGE

1 of 1

**ADMINISTRATION POLICY:**

**IV Infusion** - May be administered by a nurse

**RECONSTITUTION/DILUTION/ADMINISTRATION:**

**Available as:** 1 x 5 gram powder vial/kit (kit also includes 1 sterile transfer device and vented intravenous tubing)

Place the vial in an upright position. Add 200 mL of normal saline injection to the vial using the supplied sterile transfer device. Fill to the line. Repeatedly invert or rock the vial for at least 60 seconds prior to infusion. Use supplied vented intravenous tubing, hang, and infuse over 15 minutes.

**First dose (5 grams):** Administer over 15 minutes

**Subsequent dose (if required):** Administer over 15 to 120 minutes based on patient condition

**DOSAGE:**

**Usual:** Initial dose: 5 grams. May repeat 5 gram dose x 1 depending on severity and clinical response. May require transfer.

**Maximum rate:** 5 grams over 15 minutes

**Maximum concentration:** 25 mg/mL

**Maximum recommended dose:** 10 grams

**STABILITY/COMPATIBILITY:**

**Stability of Reconstituted Solution:** 6 hours at room temperature

**Compatibility:** Compatible with normal saline, D5W, Lactated Ringer

**PRECAUTIONS, POTENTIAL ADVERSE REACTIONS:**

- Red skin discoloration-reversible, may last up to 15 days after administration. Urine may also be a dark red color for 3 days after administration and coloration may last for up to 35 days
- Allergy (hypersensitivity): swelling of eyes, lips, tongue, throat or hands, breathing difficulties, skin redness, rash or itching.
- Increased blood pressure (symptoms include headache, dizziness, irregular heartbeat, facial flushing). Usually occurs at the end of treatment and will settle down within several hours. A decrease in blood pressure has also been noted in patients with cyanide poisoning.
- Respiratory: throat tightness, dry throat, chest discomfort
- GI: indigestion, diarrhea, nausea, vomiting, swallowing difficulty
- Eye: swelling, irritation, redness
- Skin reactions-blister like lesions, mainly on face and neck. May last for several weeks. Inflammation at injection site may occur.

**ADDITIONAL NOTES AND NURSING CONSIDERATIONS:**

- No dosage adjustment is necessary in renal or liver dysfunction