

Hydroxocobalamin (Cyanokit)

Indications: For the treatment of known or suspected cyanide poisoning/smoke inhalation.

Contraindications: Known anaphylactic reactions to Hydroxocobalamin or cyanocobalamin.

ADULT DOSING

Indication	Dose	Rate & Route	Note
Cyanide Poisoning	5 g	IV infusion over 15 minutes	Mix 5 g vial into 200 ml isotonic crystalloid for concentration of 25mg/ml.

ADULT DOSING

PEDIATRIC DOSING

Indication	Dose	Rate & Route	Note
Cyanide Poisoning	70 mg/kg Max dose: 5 g	IV infusion at 15 ml/min	Mix 5 g vial into 200 ml isotonic crystalloid for concentration of 25mg/ml.

PEDIATRIC DOSING

Pediatric Dosing Hydroxocobalamin (Cyanokit)

3 kgs	4kgs	5 kgs	6-7 kgs	8-9 kgs	10-11 kgs	12-14 kgs	15-18 kgs	19-23 kgs	24-29 kgs	30-36 kgs
6.6 lbs	8.8 lbs	11 lbs	13-15 lbs	17-20 lbs	22-24 lbs	26-30 lbs	33-40 lbs	42-50 lbs	53-64 lbs	66-80 lbs
in18.25-20.25	in20.25-21.5	in21.5-23.25	in23.25-26.25	in26.25-29.25	in29.25-33	in33-37.5	in37.5-42.5	in42.5-47.75	in47.75-51.25	in51.25-56.25

**Hydroxocobalamin solution of 25 mg/ml IV Infusion at 15 ml/min using 10 gtts set = rate of 133 gtts/min
Infuse only at the listed ml dose as indicated below**

8.4 mL	11 mL	14 mL	18 mL	23 mL	29 mL	36 mL	46 mL	59 mL	74 mL	92 mL
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Adverse/Side Effects

Anaphylaxis, chest tightness, edema, urticaria, pruritus, dyspnea, rash, and hypertension. Also effects skin (turns red), urine and secretions.

Class

Cobalamin derivative; Vitamin

Mechanism of Action

Hydroxocobalamin binds with Cyanide to form nontoxic cyanocobalamin, which is then excreted in the urine

Onset of Action

Rapid

Peak Effect

Varies

Duration of Action

Varies