

VI. Administration

- A. Do not administer hydroxocobalamin through the same IV site/set as the following medications: **dopamine, fentanyl**, dobutamine, diazepam, nitroglycerin, pentobarbital, propofol, thiopental, sodium thiosulfate, sodium nitrite and ascorbic acid. You must start a second IV to administer hydroxocobalamin in patient's receiving these medications.
- B. Adult:
- 5 grams IV/IO over 15 minutes (Stocked as single 5gm bottle, or two 2.5 gm bottles)
 - Single 5 gm Bottle
 - Reconstituted with 200 ml Normal Saline.
 - Two 2.5 gm Bottles, give over 7.5 minutes each.
 - Each vial reconstituted with 100 ml Normal Saline.
- C. Pediatric
- 100 mg/kg IV/IO of hydroxocobalamin (reconstituted with Normal Saline the same as adults) over 15 minutes.
 - Reconstituted hydroxocobalamin is at a concentration of 25 mg/ml.
- D. May repeat a full dosage once after 15 minutes if patient is still severely symptomatic.

Table 9-2 : Hydroxocobalamin (Cyanokit®) Pediatric Dosing
(2500 mg in 100 ml)

AGE	KG	MG	ML
Preemie	2	200	8
Newborn	4	400	16
4 MO	6	600	24
6 MO	8	800	32
1 YR	10	1000	40
2 YR	12	1200	48
3 YR	15	1500	60
4 YR	17	1700	68
5 YR	20	2000	80
6 YR	22	2200	88
7 YR	25	2500	100
8 YR	27	2700	108
9 YR	30	3000	120
10 YR	35	3500	140
11 YR	40	4000	160
12 YR	50	5000	200
13-15 YR	60	5000	200