

Hydroxocobalamin IV (Cyanokit®)

In Cyanide toxicity: Refer to Toxbase (username/password required, available Resusc room ED)		
Form	Cyanokit 5 g powder for solution for infusion containing 5g hydroxocobalamin	Do not store above 25°C.
	Each pack contains one vial packed in one cardboard box, one sterile transfer device, one sterile intravenous infusion set and one sterile short catheter for administration to children.	
Reconstitution	1. A 250mL infusion bag of sodium chloride 0.9% (preferred) or glucose 5% will be needed for each 5g hydroxocobalamin vial. 2. Remove and discard 50mL from 250mL bag of compatible fluid. 3. Using supplied sterile transfer device, reconstitute 5g vial with 200mL compatible fluid (to the red line marked on the vial). 4. Rock or invert vial for at least 1 minute to ensure thorough mixing. Do not shake 5. The reconstituted solution is dark red containing 5g in 200mL (25mg in 1mL). The vial is contained within cardboard packaging (with a hanger) that should be used to hold the vial during the infusion. Use enclosed infusion set for administration (includes an appropriate filter). This is because the reconstituted solution is dark red and some insoluble particles may not be seen.	
Compatibility & Stability	Sodium chloride 0.9% - preferred and recommended Glucose 5%	
Administration	IV Infusion	
	Give initial dose over 15 minutes. If a second dose is necessary give over 15 to 120 minutes based on patient condition. • Connect the intravenous infusion set (provided), hang and administer.	
Extravasation	Cyanokit® has a low pH and may cause venous irritation and tissue damage in cases of extravasation.	
Acute reactions	• Allergic reactions including angioneurotic oedema, skin eruption, urticaria and pruritus. • Dizziness, restlessness. • Transient hypertension (usually resolving within several hours), extrasystoles, flushing. • Pleural effusion, shortness of breath, throat tightness, chest discomfort. • Reversible red colouration of skin and mucous membranes (for up to 15 days), red colouration of urine (marked for first 3 days and may last for up to 35 days). • Acute renal failure.	
Monitoring	• Blood pressure during treatment and for several hours after. • Renal function until 7 days after treatment.	

*This information has been summarised to act as a guide for those administering IV medication. The monograph should be used in conjunction with the drug data sheet and BNF for information on dose, adverse effects, cautions and contra-indications.
Further information is available from Pharmacy on 22146 or 22542*

	• Signs of adverse effects mentioned above.
Additional Information	• Contraindicated in patients with known anaphylactic reactions to hydroxocobalamin or cyanocobalamin • As hydroxocobalamin is red and water soluble, transient red discolouration of skin and mucous membranes can be expected for up to 15 days; urine may be discoloured for up to 35 days • Cyanokit may interfere with burn assessment (red coloration of the skin) and laboratory tests and may lead to shut down of haemodialysis machines • Prescribed off-licence by Anaesthetics for the emergency treatment of vasoplegia.

Information provided relates to Cyanokit® (SERB S.A.)
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