



General Order

Department of Fire & EMS

G.O. 2-1-2024

Subject: Cyanide Poisoning Kits (Cyanokit)

Date: February 16, 2024

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Purpose

This General Order provides the availability and administration of the Cyanokit®. Starting February 23, 2024, Cyanokit® will only be available on the EMS 101, 102, 103 and Ops 101 vehicles. One kit per vehicle.

Background

The Cyanokit® is an emergency antidote used in patients with known or suspected cyanide poisoning. Cyanide is a chemical poison that prohibits your body from using oxygen and can be life-threatening if left untreated. The most common routes of exposure from cyanide are:

- Smoke inhalation from household and industrial fires,
- Breathing or swallowing cyanide,
- Skin exposure to cyanide.

See current edition of the Maryland Medical Protocols, Section VIII 15.5 Optional Supplemental Protocol: Cyanide Poisoning.

Administration

The Cyanokit® contains 5g Hydroxocobalamin, IV administration set, and one transfer spikes. Additionally, 2- 100ml bags of Normal Saline are needed to reconstitute the antidote.

Preparation and Administration

1. Initial Dose: 5 g Adult
2. Reconstitute: Add 200 ml of Normal Saline to vial using transfer spike. Fill to line holding vial in upright position.
3. Mix: Gentle rock or rotate vial for 60 seconds to mix solution. Do not shake.
4. Infuse first vial: It is imperative you use the supplied vented 20 drop/ml administration set with the non-collapsible Cyanokit Vial. Infuse Cyanokit 5 g IV drip over 15 minutes (4 qtts/sec using the supplied 20 drop set).
5. Repeat once if patient does not improve Refer to the MMP, for pediatric rates.