Vanderbilt Sterile Products
Standard Operating Procedure (SOP) for Preparation of Hemin Solution for injection

**SOP #:** SP030  
**Version:** 1.0  
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Date 10/01/2012

**Revision History:**

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<td>1.0</td>
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**Purpose**
This document describes the proper method of preparing Hemin solution for injection.

**References**
Package Insert Panhematin® Hemin For Injection Revised: October 2010  
Personal communication to Hayley Rector Pharm D.  
**Author(s):** Lundbeck Inc., Deerfield, IL 60015, U.S.A.

**Scope**
This SOP applies to staff members involved in preparation of Hemin.

**Allowable Exceptions**
This SOP is meant to be followed without deviation.

**Procedure**
Obtain the following items:

- 50 ml Sterile Water for Injection
- 1X 313 mg vial of Hemin

This is a call for medication.  
Expiration: 1 hour

Note: HEMIN is supplied as a sterile, lyophilized black powder in single dose dispensing vials (NDC 67386-701-54). The stopper contains latex.
Dosing Note: The rate is titrated according to patient response. Hemin is administered over a 10 to 15-minute infusion daily for 6 courses during this event. The Hemin recommended dose of 1 to 4 mg/kg for 3 to 14 days based on the clinical signs. No more than 6 mg/kg of Hemin should be given in any 24-hour period. Every effort should be made by the provider and pharmacist to utilize whole vial doses.

If more than one vial is required for a dose, the second vial should not be reconstituted until after the first vial has been infused.

Directions

1. In a red bin place the sterile water and Hemin.
2. Add 43 ml of sterile water to the vial of Hemin. This will provide a solution of 7 mg/ml.
3. Immediately after adding diluent, the product should be shaken well for a period of 2 to 3 minutes to aid dissolution. Send out for verification by the pharmacist.
4. The final product should not be removed from the vial due to stability concerns.
5. A 0.45 micron or smaller in-line filter should be sent with the finished product. Since reconstituted HEMIN is not transparent, any undissolved particulate matter is difficult to see when inspected visually.
6. After verification by the pharmacist, it is to be sent immediately (via blue card in VUH) to the nurse for immediate administration over 15 minutes

D. Training

1. Each staff member receives or has direct access to applicable Standard Operating Procedures (SOPs).
2. New staff is trained on applicable SOPs and related activities