Purpose
This document describes the proper method of for preparing heparin infusions.

References
Prolonged stability of stored vancomycin, gentamicin, and heparin for use in the antibiotic-lock technique. Bastani B, Amin K, Herr A.2005

Scope
This SOP applies to staff members involved in preparation of heparin infusions in the VUH Central IV Room.

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

Procedure
Obtain the following items:

250 ml of D5W
Heparin 5000 units per ml 10 ml

1. Determine the number of bags needed by checking the inventory in the Med Carousel.
2. Place 2 vials of heparin and 3 X 250 ml bags in blue bin to be sent into the clean room.
3. In a twenty ml syringe, 16.5 ml may be drawn up in order to prepare 3 bags.
Vanderbilt Sterile Products  
Standard Operating Procedure (SOP) for  
Preparation of Heparin 25,000 units in 250 ml of D5W

4. 5.5 mls of heparin will then be added to each bag of D5W 250 ml. No volume will be taken out of the bags as the overfill has been included in the final volume calculation.  
5. On the last bag, draw 10 ml out of the completed bag. Run this 10 ml thru the filter on the sterility test then place it back into the bag.  
6. The rest of the sterility testing will be done according to established procedure.  
7. After verification by the pharmacist, a computer generated barcode label containing prep and expiration date will be placed on each infusion.  
8. The completed infusions will be carried to the MedCarousel for placement.  
9. Medications will be quarantined for 3 days unless they are needed for immediate needs.  
10. On a quarantine sticker write the total amount of bags that were prepared and the expected release date. (3 days from preparation). Place this on the outside of the large batch bin.  
11. Place the finished product in the blue bins on the wire cart; try to rotate these bags so that the oldest is in the front. Add the appropriate amount and scan the label on the bin. (If asked for expiration, use the release date. The release date is the date it can be placed in inventory.)

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