

FOR CRYOPRECIPITATES: Employing the usual method of delivery, attach **Hemo-Nate®** to distal end of administration set, proximal to patient, as a final filter. Attachment can be made either by a Luer-Slip or Luer-Lock.

NOTE: Due to the wide variations in viscosity of Cryoprecipitates, it is recommended that the **Hemo-Nate®** be used in conjunction with a standard I.V. pump for administration rather than gravity flow. The use of a pump will also reduce infusion time and afford a much more accurate delivery.

References:

1. M.E. EYSTER, et al, TRANSFUSION, Sept-Oct 1978, Vol. 18, No. 5
2. M.J. INWOOD, et al, TRANSFUSION, Nov-Dec 1978, Vol. 18, No. 6
3. G.A. ROCK, et al, CANADIAN MEDICAL ASSOC JOUR., Feb. 15, 1983 Vol. 128

Procedure acknowledgment to Orthopedic Hospital, Hemophilia Rehab. Center, Los Angeles, CA.



P/N 58088 REV 011404

Hemo-Nate® Syringe Filter

For Use With:

- **Whole Blood and Packed Cells**
- **AHF Concentrates Cryoprecipitates**

Instructions For Use



Product Description: The Hemo-Nate® filter is a small volume, disposable syringe filter having stainless steel filter media, bi-directional supported and bubble point tested for absolute retention and removal of harmful micro-debris (particulates) of 18 microns and larger that are present in AHF concentrates and cryoprecipitates. 1, 2, 3

Indications For Use: For the filtration of stored blood, blood components and other fluids indicated for filtration. Infusion rates set by each individual hospital and/or physician's usual clinical procedures.

Important: Follow these instructions for aseptic technique.

Lot Numbers: Are demonstrated on lidding of each tray.

Contraindications: None Known (see precautions).

Cautions:

- Carefully read and follow all instructions prior to use.
- Federal (USA) law restricts this device to sale by or on the order of a physician.

Precautions:

- Intended for single patient use. Do not reuse or resterilize.
- **Sterile**, non-pyrogenic unless package is damaged or opened. Sterilized by Ethylene oxide. Examine the package carefully prior to opening to confirm sterility. If package is opened or damaged, do not use the device.
- Follow Universal Precautions.
- Peer group studies* have indicated no damage to cellular components in blood volumes up to 50cc (whole blood).
- **Excessive force may damage blood cells. If resistance is encountered, change filter and proceed. For infusion, use 20 cc syringe of larger.**
- Use of packed cells may limit volumes to about 20 cc.
- Age of blood and/or debris concentration per unit volume may have an effect on the capacity of the filter.

*Warren, et al, PERINATOLOGY-NEONATOLOGY Vol. 4, No 5. P. 41. Sept/Oct 1980

For use with Whole Blood and Packed Cells

Instructions For Use (Aseptic Technique)

Note: With filter media bi-directionally supported, filtration can be effected in either direction - depending upon what is being filtered. It is recommended that fluids with cellular components be aspirated through the Hemo-Nate® filter prior to infusion.



Spike container with Hemo-Tap® blood bag spike



Place Hemo-Nate® filter on syringe and 18 Ga. needle on male luer adaptor of filter.



Enter Hemo-Tap® injection site and remove the desired amount of fluid.



Withdraw from injection site, remove filter and needle and administer per standard clinical procedure.

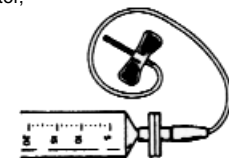
For use with AHF Concentrates/Cryoprecipitates

Instructions For Use

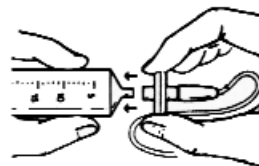
FOR AHF CONCENTRATES: Reconstitute the factor, fill the syringe or syringes and proceed as follows:



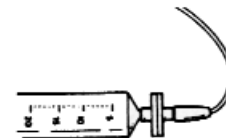
Attach Hemo-Nate® filter to syringe filled with concentrate.



Attach minicath to end of syringe. Infuse concentrate.



Disconnect empty syringe from filter - press tubing against filter with thumb.



Attach next syringe of concentrate and continue infusing.