



## Applicability

This document applies to health care professionals who reconstitute blood products using a double-ended transfer needle device.

## Supplies Required

Use only the diluent provided with the product.

### Contained in Box

- Lyophilized blood product vial
- Diluent vial
- Double-ended transfer needle
- Filter needle

### Separate Supplies

- Antiseptic swabs
- Luer lock syringe, large enough to contain dose



**Aseptic technique must be used at all times**

## Instructions

1. If required, warm both the unopened product vial and diluent vial to room temperature before reconstitution (refer to product monograph).
2. Remove caps from the product and diluent vials to expose the central portions of the rubber stoppers.
3. Clean the tops of the vials with an antiseptic swab and allow to dry.
4. Remove the protective covering from one end of the double-ended transfer needle.
5. Holding the diluent vial on a flat, even surface, insert the exposed end of the transfer needle through the stopper of the diluent vial.
6. Remove the protective covering from the other end of the double-ended transfer needle.
7. Invert the diluent bottle vertically over the powder bottle, then **rapidly** insert the other side of the double ended needle through the stopper of the powder vial.
8. The diluent will be drawn into the product vial.



9. Disconnect the bottles by removing the needle from the product vial.
10. Gently swirl until all the powder is dissolved.
11. Attach the filter needle to a sterile plastic syringe, large enough to contain the entire dose, and draw the solution through the filter needle into the syringe.
12. Label the syringe as per AHS Transfusion of Blood Components and Blood Products Policy

### **Troubleshooting:**

If vacuum is lost during the diluent transfer, use a sterile syringe and needle to draw up the remaining diluent and transfer to the lyophilized powder vial. The most common causes of vacuum loss are not holding the diluent vial vertically, and not inserting the needle rapidly enough.

### **Contact Information**

For questions or comments, please contact [Transfusion.SafetyTeam@aplabs.ca](mailto:Transfusion.SafetyTeam@aplabs.ca)

### **References**

Takeda Canada Inc. February 2021. Immunine VH Package Insert. Submission Control No 242680. [Accessed 13Jan22]. <https://www.takeda.com/493a93/siteassets/en-ca/home/what-we-do/our-medicines/product-monographs/immunine-vh/immunine-vh-pm-en.pdf>

Takeda Canada Inc. April 2021. Antithrombin III NF Package Insert. Submission Control No 246332. [Accessed 13Jan22]. <https://www.takeda.com/49a55e/siteassets/en-ca/home/what-we-do/our-medicines/product-monographs/antithrombin-iii/antithrombin-iii-nf-pm-en.pdf>

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