

NOVO NORDISK: NIASTASE (Recombinant VIIa)



STEP 1

Bring Niasstase to room temperature (NOT >37°C) before using.

Choose a clean, dry, well-lit work area and lay out the following supplies:

- Bottle(s) of factor VIIa powder- check dose & expiry date
- Bottle(s) of sterile water
- Sterile plastic Luer Lock syringe
- Sterile #18 gauge needle
- Alcohol swabs

NOTE:

Choose the amount of sterile water according to the amount of factor. For example:

1.2 mg factor → 2.2 ml water

2.4 mg factor → 4.3 ml water

4.8 mg factor → 8.5 ml water

STEP 2

Wash hands, under nails and forearms

- Use warm running water
- Use antibacterial soap from pump dispenser
- Dry hands with a paper towel
- Turn off taps with paper towel & discard



STEP 3

Remove the caps from the bottle(s) of FVII powder and sterile water.

STEP 4

Clean the tops of the bottles with an alcohol swab. Allow to dry completely. **DO NOT** blow on the tops to speed up drying, this will contaminate them.

STEP 5

Open the package containing the sterile syringe. **DO NOT** touch the tip. Attach an #18 gauge needle to the syringe. Pull the protective cover off of the needle. **DO NOT** throw out.



STEP 6

Pull back on the plunger and draw back the same amount of air as the amount of sterile water you will be using (i.e. 4.3 ml of air for 4.3 ml of sterile water). Inject the air into the bottle of sterile water.

STEP 7

Turn the sterile water upside down with the needle in place and withdraw the correct amount.

STEP 8

Remove the syringe and needle from the sterile water bottle and insert it into the bottle of factor. Inject the sterile water into the vial of Niasase through the centre of the rubber stopper.

STEP 9

Recap the #18 gauge needle by “scooping” up the lid. Make sure that the needle does not touch any surfaces!

STEP 10

Gently mix the product by rolling it in between hands until dissolved.

STEP 11

Rewipe bottle(s) of factor with alcohol swab and allow to dry completely. Pull the protective cover off of the #18 needle used for the sterile water. **DO NOT** throw out. Pull back on the plunger of the syringe and draw up air equal to the amount of factor solution. (i.e., 4.3 ml of air for 4.3 ml of factor solution).



STEP 12

Insert the needle into the bottle of mixed factor solution and inject the air. Hold in the plunger, as it will try to push back out.

(Repeat step 11 for each additional bottle of factor solution)



STEP 13

On the last bottle of factor solution, with the syringe plunger fully pushed in, turn the bottle and syringe upside down and slowly pull back on the plunger to withdraw **ALL** of the factor solution. As you are withdrawing the last bit of solution continue to pull back on plunger as you are withdrawing the needle from the bottle.



STEP 14

When all of the factor solution has been withdrawn into the syringe, put the needle cover on, using only one hand (“Scooping” up the cap, ensuring the needle tip does not touch any surfaces).

Administer IV direct push over 1 to 2 minutes within three hours of reconstitution. Do not mix with other drugs or IV solutions. Flush line with sodium chloride solution before and after if using an already established IV (PICC or Port-a-Cath®).

For additional information please see:

LHSC Blood Transfusion Resource Manual:

<http://www.lhsc.on.ca/lab/bldbank/assets/BTRManual.pdf>

Parenteral Drug Administration Manual:

<http://www.lhsc.on.ca/priv/monograph/Q8Ubko6eDxQAACJNsBI.htm>

Product Monograph:

http://cae.novonordisk.ca/PDF_Files/NiaStase.pdf