

# Berinert®

CSL Behring



## Instructions.

for preparing and administering your Berinert®

This material is only intended for patients already prescribed Berinert® by their physician, and is not for use with any other product. Provided as an educational service to medicine by CSL Behring UK Ltd.

# PART 1



## How to use your Mix2Vial®

Work on a clean, hard, flat surface.

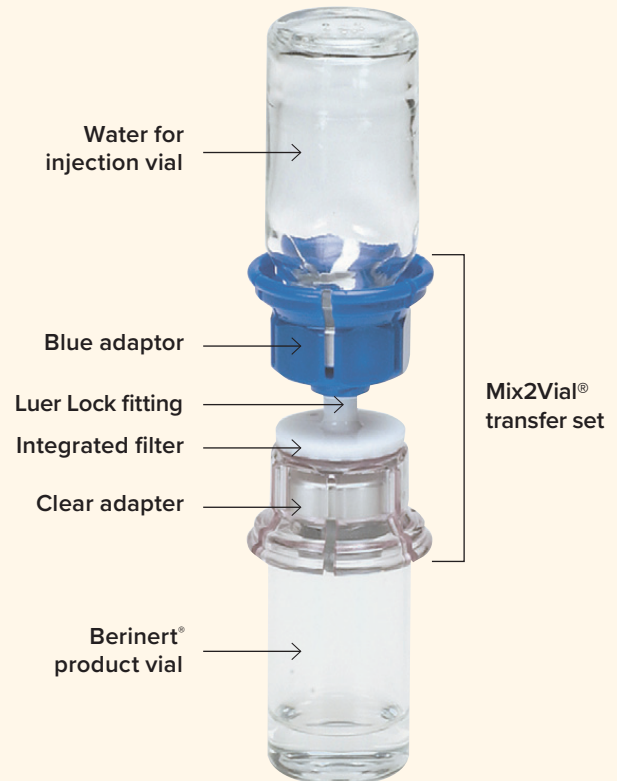
Set out all the items you will need and prepare everything together, e.g. on an infusion mat.

- Berinert® product vial (do not use after expiry date)
- Water for injection vial
- Mix2Vial®
- Butterfly needle
- Disposable syringe
- Tourniquet
- Alcohol swabs
- Dry swabs
- Plaster
- Sharps bin
- Your Berinert® diary

Before you carry out the steps to reconstitute Berinert®, bring the water for injection vial and the product vial to room temperature (below 25 C). Remove the flip caps from both vials and wipe the rubber stoppers with a disinfecting swab. Allow to dry.

## Mix2Vial® – the needleless transfer system

- Reduced risk of needle stick injury during reconstitution
- Integrated filter



**Before you start:** Disinfect the surface you will be working on and wash your hands thoroughly. Pay attention to cleanliness and do not touch the connection points of any of the equipment. Reconstitution and withdrawal must be carried out under sterile conditions. Contact your healthcare professional if you are unsure about anything.

## REPORTING OF SIDE EFFECTS

If you get any side effects, talk to your doctor, pharmacist or nurse. This includes any possible side effects not listed in the package leaflet. You can also report side effects directly via the Yellow Card Scheme at [www.mhra.gov.uk/yellowcard](http://www.mhra.gov.uk/yellowcard).

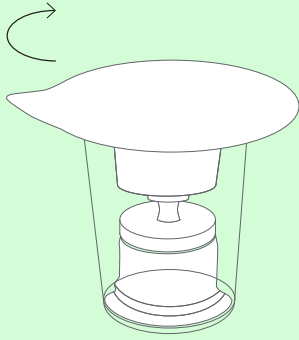
By reporting side effects you can help provide more information on the safety of this medicine.

CSL Behring UK Ltd  
Phone: 01444 447 405  
Email: [medinfo@cslbehring.com](mailto:medinfo@cslbehring.com)  
[www.cslbehring.co.uk](http://www.cslbehring.co.uk)

Berinert® is a registered trademark of CSL Behring

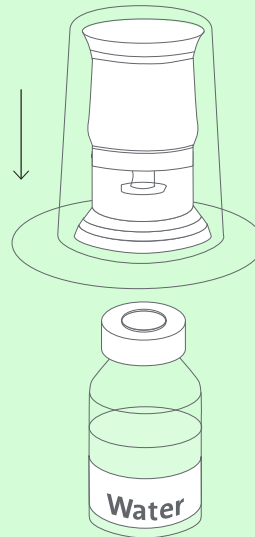
Mix2Vial® is a trademark of West Pharmaceutical Services, Inc. or a subsidiary thereof.

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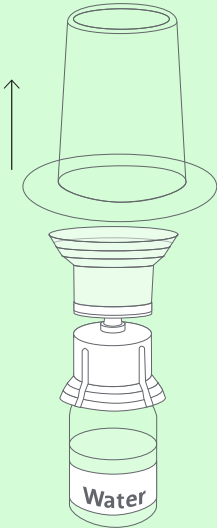
- Open the Mix2Vial® package by peeling off the lid.
- Do **not** remove the Mix2Vial® from the blister package.

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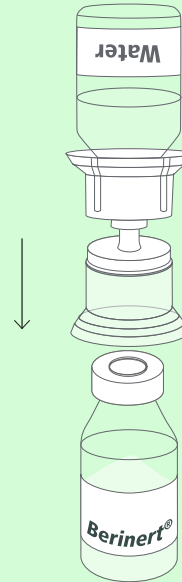
- Place the water for injection vial on a clean, hard, flat surface and hold the vial tight.
- Take the Mix2Vial® together with the blister package and push the spike of the blue adapter **straight down** through the water for injection vial stopper. The blue adapter locks onto the water for injection vial.

3



- Hold onto the water for injection vial and carefully remove the blister package from the Mix2Vial® by holding at the rim and pulling **straight upwards** (do not tilt).
- Make sure you only pull away the blister package and not the Mix2Vial®.

4



- Place the product vial on a clean, hard, flat surface. Turn the water for injection vial upside down with the Mix2Vial® attached and push the spike of the clear adapter **straight down** through the product vial stopper.
- It is important that you do not lift the product vial off the flat surface.
- The clear adapter locks onto the product vial. The water will automatically flow from the water for injection vial into the product vial.

5



- When the water for injection vial is empty, hold the clear adapter (product-vial side of the Mix2Vial®) in one hand and the blue adapter (water-vial side) in the other.
- Carefully unscrew the Mix2Vial® anticlockwise into two pieces.



6



- Discard the water for injection vial with the blue adapter attached.
- Gently swirl the product vial with the clear adapter attached until the powder is fully dissolved.
- Take care not to touch the opening of the adapter, and do not shake.

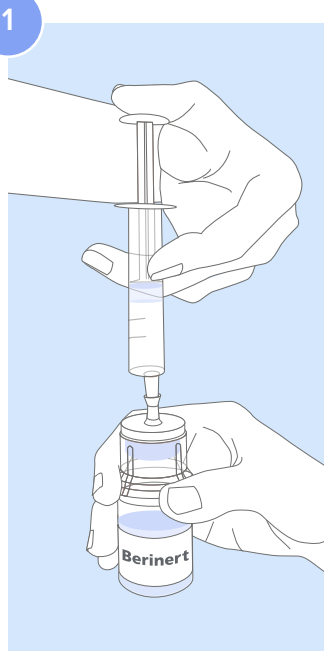
## How to perform your injection

Your healthcare professional will decide whether you are suitable for home treatment and if so, you will be given full training before you are allowed to use Berinert® at home. You will then be reviewed regularly by your healthcare professional.

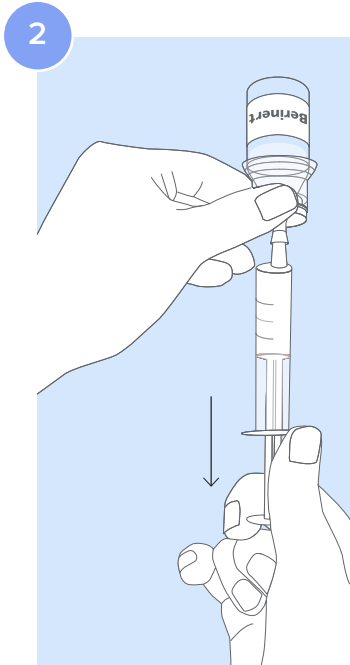
Please store your Berinert® according to the instructions shown on the carton and in the patient leaflet.



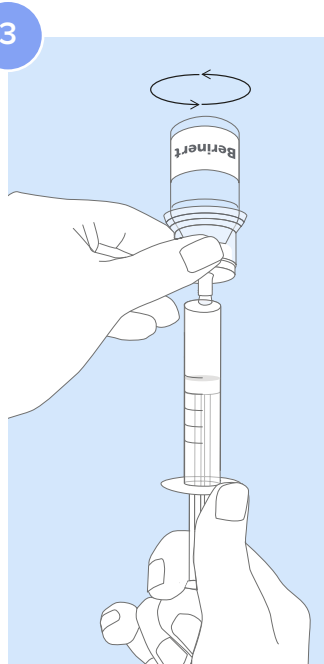
**It is important that you seek emergency treatment immediately if you cannot administer the injection or if the treatment does not work. If you experience any adverse effects following treatment, please contact your healthcare professional or seek emergency treatment, if necessary.**



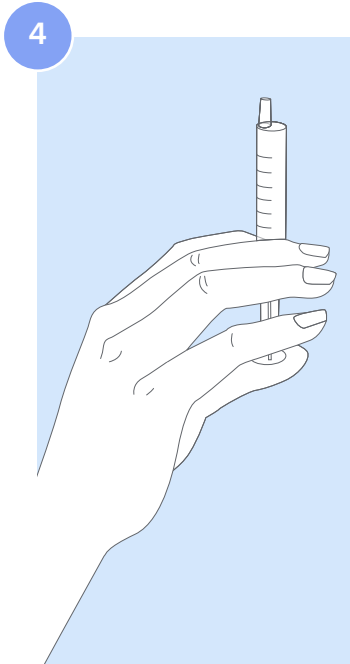
- Draw air into an empty, sterile syringe provided in the Berinert® pack.
  - Keeping the product vial upright on a flat surface, connect the syringe to the Mix2Vial®'s Luer Lock fitting (the white fitting on the clear adapter) by screwing clockwise.
  - Inject air into the product vial, but try not to inject any air into the solution, to avoid foaming.



- Turn the system upside down, keeping the plunger of the syringe pressed in.
  - Fill the syringe with the solution by pulling the plunger back slowly.

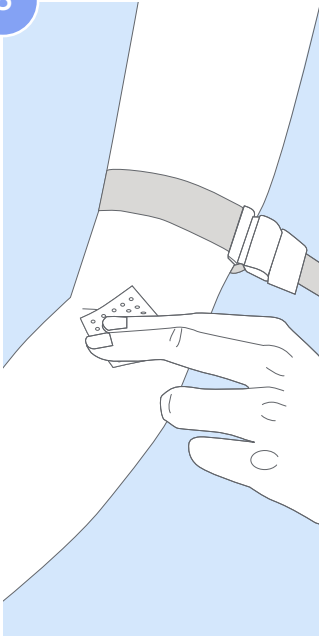


- Once the solution has been transferred into the syringe, firmly hold on to the barrel of the syringe (keeping the syringe plunger facing down).
  - Disconnect the clear adapter of the Mix2Vial® from the syringe by unscrewing anticlockwise.



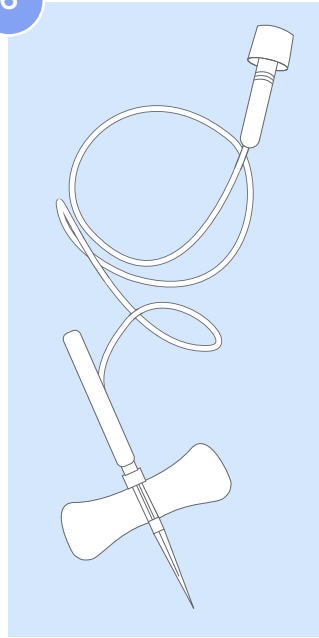
- Point the connector tube of the syringe upwards and expel the air gently from the syringe, being careful not to expel the solution.
  - If you put the syringe down, make sure that the syringe tip does not touch any surface.

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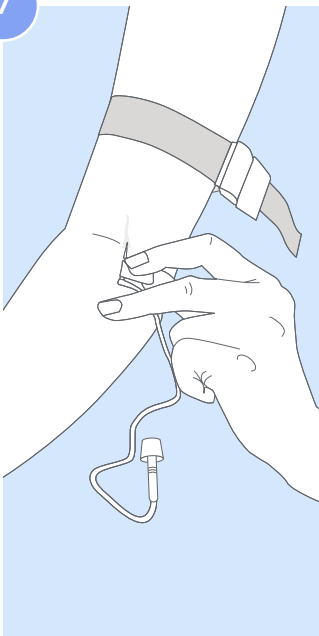
- Place a tourniquet around your upper arm or where instructed.
- Clench your fist and find a vein that is easy to feel.
- Disinfect the injection area with an alcohol swab.

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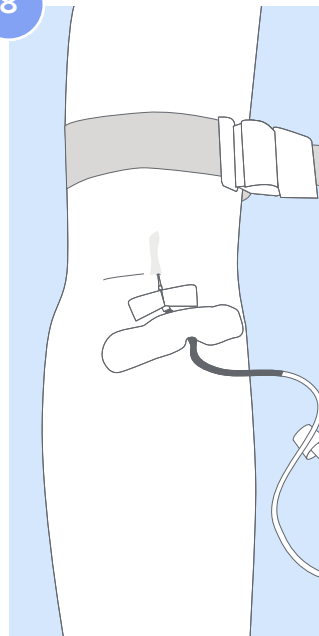
- Take out the butterfly needle and loosen the cap at the end of the tube.
- This makes it easier to remove the cap later.

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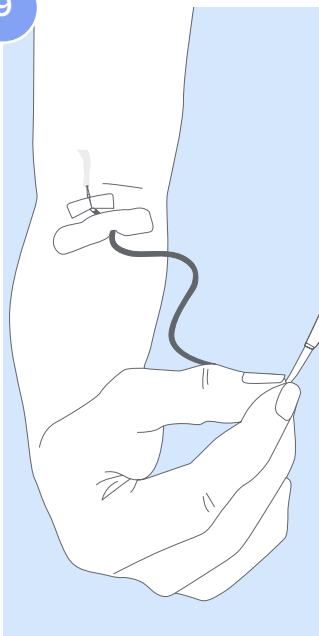
- Hold both wings of the butterfly needle between your thumb and index finger with the sloping edge of the needle facing upward.
- Remove the needle cover.
- Insert the butterfly needle into your vein at as shallow an angle as possible.

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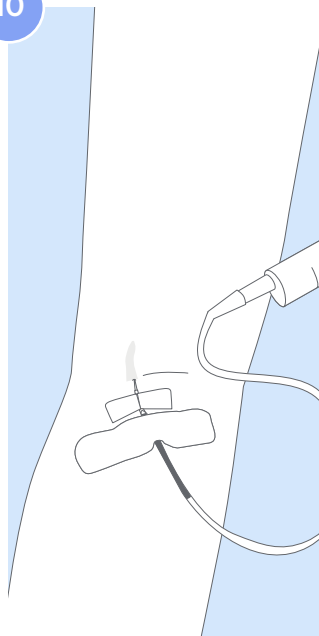
- When the butterfly needle is inside your vein, the top part of the tube will automatically fill with blood.
- Secure the tube to your arm with a plaster. Now release the tourniquet.

9



- Remove the cap from the butterfly needle tube.
- When the tube has completely filled with blood, kink it (to stop the blood flow) and attach the syringe by pushing and twisting.

10



- Inject the solution into your vein slowly. Should problems such as pain and/or swelling occur, discontinue the injection and disconnect the syringe and butterfly needle.
- Discard the butterfly needle and use a new one to inject into a new site.
- If you need to change syringes, pinch the tubing, disconnect the used syringe and connect a new one.

