

# Online resource 1. Administration errors guide. Potential errors regarding the reconstitution and administration of pegvisomant were recorded here by trained healthcare staff during the simulated preparation of an injection by the patient

## MIXING



**Step 1:**  
Wash your hands. Remove the protective plastic cap from the top of the vial of solvent. Take care not to touch the rubber vial stopper. Carefully remove the cap from the green needle.

**Step 2:**  
Pull the plunger of the solvent syringe down to the 1 mL mark. With one hand, securely hold the vial of solvent and, with the other hand, insert the needle of the solvent syringe straight through the center of the rubber stopper and deep into the vial. Gently push the plunger until the air is injected into the vial.

**Step 3:**  
Securely grasp the solvent vial and syringe assembly, with the needle still deeply inserted into the vial. Carefully turn the vial and syringe assembly upside down. Bring to eye level.

**Step 4:**  
Slowly pull the syringe plunger down to slightly past the 1 mL mark. Examine the solution in the syringe for air bubbles. If bubbles are present, tap the syringe barrel until the bubbles rise to the top of the syringe. Carefully push the plunger up to eject only the air bubbles back into the vial. Recheck that 1 mL of solvent remains in the syringe, then withdraw the needle from the vial.

**Step 5:**  
Insert the needle of the solvent syringe straight through the stopper of the vial with the powder (SOMAVERT). Tilt the syringe to the side and gently inject the solvent down the inner side of the vial of SOMAVERT. When the solvent syringe is empty, withdraw it from the vial. Discard the solvent vial, syringe, and needle as directed by your healthcare provider.

**Step 6:**  
Hold the vial of SOMAVERT upright between your hands and gently roll it to dissolve the powder. DO NOT SHAKE THE VIAL. The solution should be clear after the powder is dissolved. If the solution is cloudy or hazy, do not inject it and do not throw it. Inject SOMAVERT immediately.

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## PREPARING THE INJECTION



**Step 1:**  
Remove the cap from the yellow needle on the syringe. Pull the syringe plunger down to the 1-mL mark and securely hold the vial. Insert the needle straight through the center of the rubber stopper and deep into the vial. Gently push the plunger until the air is injected into the vial. Carefully turn the vial and syringe assembly upside down. Bring to eye level.



**Step 2:**  
With the other hand, slowly pull the syringe plunger down to withdraw the full contents of the vial (1 mL). Visually inspect the syringe for air bubbles. If bubbles are present, tap the syringe barrel until the bubbles rise to the top of the syringe. Carefully push the plunger up to eject only the air bubbles back into the vial. Recheck that 1 mL of the solution remains in the syringe, then withdraw the needle from the vial.

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## ADMINISTERING THE INJECTION



**Step 2:**  
Prepare the site as directed by your healthcare provider.



**Step 3:**  
Gently pinch up the skin at the site of injection. Hold the syringe with the other hand, and in a single, smooth motion, push the needle completely into the skin straight down (at a 90 degree angle).



**Step 4:**  
Be sure to keep the needle all the way into the skin while you slowly push the syringe plunger down until the barrel is empty. Release the pinched skin and pull the needle straight out.



**Step 5:**  
Do not rub the injection area. A small amount of bleeding may occur. If necessary, apply a clean, dry cotton swab over the area and press gently for 1 or 2 minutes, or until the bleeding has stopped.



**Step 6:**  
Dispose of the needle and syringe as instructed by your healthcare provider.

**Step 1:**  
Choose an injection site on the upper arm, upper thigh, abdomen or buttocks. Always move on to a different area with each day's injection. Do not use an area that has a rash or broken skin, or is bruised or lumpy.

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