

## Alteplase (tPA) - Reconstitution of 100-mg Vials<sup>2</sup>

Begin by assembling the Activase vial; the vial of Sterile Water for Injection (SWFI), and the transfer device included in the Activase package. Gather alcohol swabs.

Reconstitution should be carried out using the transfer device provided and by adding the contents of the 100-mL vial of Sterile Water for Injection (SWFI) to the 100-mg vial of Activase powder. Reconstitute Activase immediately before administration, using aseptic technique at all times.



**Step 1:** Remove the protective cap from the top of the Activase vial and the vial of SWFI. Sterilize the top of each vial with an alcohol wipe to reduce the risk of contamination.



**Step 2:** Remove the transfer device from its wrapper and remove the protective cap from one end. Insert the piercing pin vertically into the center of the stopper of the vial of SWFI, keeping the vial upright.



**Step 3:** Remove the protective cap from the other end of the transfer device. DO NOT INVERT THE VIAL OF SWFI. Holding the vial of Activase upside down, position it so that the center of the stopper is directly over the exposed pin of the transfer device.



**Step 4:** Push the vial of Activase down onto the transfer device, making sure that the piercing pin is inserted through the center of the Activase vial stopper.



**Step 5:** Invert the 2 vials, so that the vial of Activase is on the bottom (upright) and the vial of SWFI is upside down. Allow the entire contents of the vial of SWFI to flow down through the transfer device into the vial containing Activase. Approximately 0.5 mL of SWFI will remain in the diluent vial.



**Step 6:** Remove the transfer device and the empty SWFI vial from the Activase vial. Safely discard both the transfer device and the empty diluent vial according to institutional procedures.



**Step 7:** Mix the solution with a gentle swirl or slow inversion. **DO NOT SHAKE.** Slight foaming of the solution is normal. Let the solution stand undisturbed for several minutes to allow any large bubbles to dissipate. This preparation will result in a colorless to pale yellow transparent solution containing Activase at a concentration of 1 mg/mL. Visually inspect the Activase solution for particulate matter and discoloration before administration.



OR



**Do not add other medication to solutions containing Activase.**

Any unused infusion solution should be discarded.