


## Cefepime 2gm Vial Reconstitution Guide

*NOTE: Reconstitution should be performed immediately before administration of the medication.  
IV syringe preparations expire 1 hour after preparation, as these are for immediate use only.*

### **Supplies and Workstation**

1. Choose a workspace for reconstitution with a low risk of contamination, away from water/sink.
2. Gather supplies.
  - 1 – 20mL syringe
  - 1 – Needle (18-22 gauge)
  - 2 – Sterile 70% Isopropyl Alcohol swabs
  - 1 – Sodium Chloride 0.9% 10mL vial
  - 1 – Cefepime 2gm vial
  - 1 – PDI wipe
3. Clean the workspace with a PDI wipe and allow to dry.
4. Perform hand hygiene and don gloves.
5. BBMA scan the cefepime 2gm vial and 10ml Sodium Chloride 0.9% vial before reconstitution.

### **Vial Reconstitution Steps**

6. Remove the vial caps from both the Sodium Chloride 0.9% 10mL vial and the cefepime 2gm vial.
  7. Disinfect the rubber stopper on the Sodium Chloride 0.9% vial with a sterile alcohol swab and allow to air dry for 10 seconds.
  8. With a new sterile alcohol swab, disinfect the rubber stopper on the cefepime 2gm vial and allow to air dry for 10 seconds.
  9. Draw back 10mL of air into the 20mL syringe and attach the needle to the syringe. Do not touch the needle adapter, needle hub, or shaft of the needle during the vial manipulation.
  10. With the bevel facing upward, insert the needle into the Sodium Chloride 0.9% vial at a 45 degree angle. Slowly bring the syringe upright to a 90 degree angle and then insert the entire needle length into the vial. (This practice prevents coring of the rubber stopper and reduces the risk of injecting particulates from the rubber stopper.)
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11. Inject the 10mL of air into the Sodium Chloride 0.9% vial and withdraw 10mL of saline solution.
  12. Inject the 10ml of Sodium Chloride 0.9% into the cefepime 2gm vial using the same technique to prevent coring of the rubber stopper (bevel up, 45 degree angle entry, then 90 degree angle).
  13. Without removing the needle from the vial, withdraw 12.5mL of air from the cefepime 2gm vial.
  14. Holding the vial and syringe together, gently swirl the cefepime 2gm vial to dissolve all powder.  
NOTE: Inspect reconstituted medication to assure that there is no visible particulate matter.
  15. Inject 12.5mL of air back into the cefepime 2gm vial and withdraw the full 12.5mL of reconstituted medication.
  16. Engage the safety feature on the needle.
  17. Administer the cefepime 2gm via IV push over 5 minutes.
  18. Discard the needle and syringe in the sharps container.