

Name of Child: _____ Date: _____

How to Add Cefepime to Dialysis Solution

Why:

Cefepime is a medicine that kills germs (**antibiotic**). It may be used if germs have gotten into the catheter, or if your child has an infection in the belly (**peritonitis**).

What you need:

- UltraBag or Cycler Bag
- 1 mask
- 1 bottle of sterile water
- 1 gram (1000 mg) bottle of cefepime powder
- 10 mL syringe
- 2 needles
- 4 alcohol swabs
- sharps container (red sharps box or plastic laundry soap bottle with lid)

What to do:

1. Warm the UltraBag or Prepare the cycler.
2. Put on a mask.
3. Wash your hands with antibacterial soap and water for 1 minute, and dry them well. Then scrub with hand sanitizer for 30 seconds.
4. Remove the cap from the bottle of cefepime. Clean the top of the bottle with an alcohol swab for 30 seconds. Let it dry.
5. Remove the cap from a bottle of sterile water. Use a new alcohol swab to clean the top of the sterile water bottle for 30 seconds. Let it dry.

6. Open one sterile needle in the package. Open the sterile syringe in the package. Be careful not to touch the ends, and put the needle on the syringe.

7. Hold the syringe in your hand. Pull the plunger on the syringe down to the 10 mL mark. Carefully pull the cap off the needle of the syringe without touching the needle.

8. Put the needle into the top of the bottle of sterile water. Push the air in. Keep the needle in the bottle.

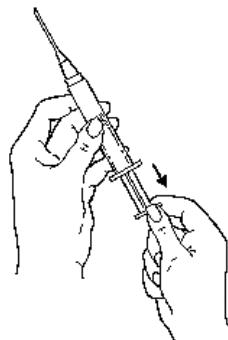
9. Tilt the bottle and syringe upside down. Keep the needle in the sterile water.
Pull out 10 mL of water.

10. Pull the needle out of the bottle and put the empty bottle of sterile water down.

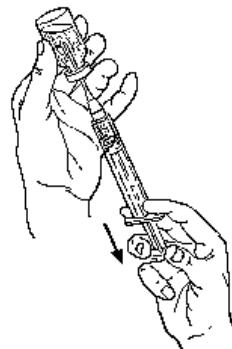
11. Put the needle into the top of the bottle of cefepime powder. Push the water into the bottle. Before removing needle, allow plunger of syringe to move upward freely. This will allow the air to escape from the bottle. It will release the pressure.

12. Take the empty needle and syringe out of the bottle of cefepime powder. Carefully recap the needle. Put the syringe down.

13. Gently shake the bottle of cefepime to dissolve the powder.



7. Pull the plunger on the syringe down to the 10 mL mark.



9. Pull out 10 mL of water.

Dose of cefepime:

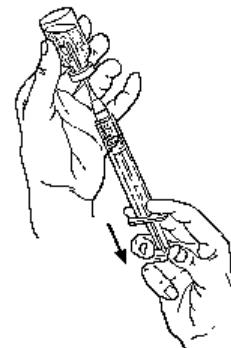
When you dissolve 1 gram of powdered medicine in 10 ml of fluid, you have 100 mg of medicine in each 1 mL. (1 gram = 1000 mg.) For example, 600 mg of medicine would be in 6 mL, and 1200 mg of medicine would be in 12 mL.

- yes no To set up your cycler, use _____ mL of cefepime for EACH bag. (You may have to use more than 1 bottle)
- yes no For Manual Exchange, loading dose for peritonitis, use _____ mL of cefepime
- yes no For Manual Exchange, if this dose is for contamination, use _____ mL of cefepime.

Dose ordered by: _____ MD

Date: _____

14. Clean the top of the medicine bottle with a new alcohol swab for 30 seconds. Let it dry.
15. Hold syringe in your hand. Pull the plunger on the syringe down to the right dose of medicine (written above). Carefully pull the cap off the needle of the syringe without touching the needle.
16. Put the needle into the top of the bottle of medicine. Push the air in. Keep the needle in the bottle.
17. Tilt the bottle and syringe upside down. Keep the needle in the bottle.
Pull out the amount of medicine (written above).
Turn the bottle right side up.
Remove needle and syringe from medicine bottle and put the bottle down.
Carefully put the cap back on the needle.



17. Pull out the right amount of medicine.

18. Open a new sterile needle in the package.
Twist the cap and needle off the syringe.
Throw out the needle in the sharps container.
Put a new needle on the syringe.
Put the syringe on top of the dialysis bag.

19. If you use more than one bag of solution for dialysis, you will need more than one syringe filled with medicine. Repeat steps 4 to 18.
20. Clean the medicine port on the dialysis solution bag(s) with an alcohol swab. Scrub hard for 30 seconds. Use a new alcohol swab for each bag.
21. Pull the cap off the syringe with the medicine, without touching the needle. Without touching the end of the medicine port, put the needle into the medicine port and push the medicine into the bag. Pull back on the plunger to fill the syringe with fluid from the bag. Push that fluid back into the bag. This will make sure all the medicine gets into the bag.
22. Remove the needle from the medicine port. Put the needle and syringe into the sharps container.
23. Gently turn the bag side to side and upside down. This will mix the medicine into all the fluid in the bag.
24. If you use more than 1 bag of solution for dialysis, repeat sets 20 to 23 for each additional bag.
25. After the medicine is added to the bag(s):
For ultrabag: Do a manual exchange as instructed and let the solution stay in your child's peritoneal cavity for 6 hours.
For cycler: Continue the cycler set up.
26. If there is any medicine left in the bottle, throw it away. You will use a new vial of medicine each night for treatment of peritonitis.

Changes

When the test results come back and the doctor knows what germ is causing the infection, you may be told to change the antibiotic. Make sure you give your child the right antibiotic for as many days as the doctor says.

Now that you've read this:

- Show your nurse or doctor how you will draw up the medicine and put it in the bag. (Check when done.)



If you have any questions or concerns,

- call your child's doctor or call _____

If you want to know more about child health and illness,
visit our library at The Emily Center at Phoenix Children's Hospital
1919 East Thomas Road
Phoenix, AZ 85016
602-933-1400
866-933-6459
www.phoenixchildrens.org
Facebook: facebook.com/theemilycenter
Twitter: @emilycenter
Pinterest: pinterest.com/emilycenter

Disclaimer

The information provided at this site is intended to be general information, and is provided for educational purposes only. It is not intended to take the place of examination, treatment, or consultation with a physician. Phoenix Children's Hospital urges you to contact your physician with any questions you may have about a medical condition.

Tuesday, October 21, 2014 • DRAFT to family review
#1563 • Written by Joanne Watson, BSN, RN
• Illustrated by Dennis Swain and Irene Takamizu

How to Add Cefepime to Dialysis Solution

Name of Health Care Provider: _____

Date returned: _____ db

Family Review of Handout

Health care providers: Please teach families with this handout.

Families: Please let us know what you think of this handout.

Would you say this handout is hard to read? Yes No

easy to read? Yes No

Please circle the parts of the handout that were hard to understand.

Would you say this handout is interesting to read? Yes No

Why or why not?

Would you do anything differently after reading
this handout? Yes No

If yes, what?

After reading this handout, do you have any
questions about the subject? Yes No

If yes, what?

Is there anything you don't like about the drawings? Yes No

If yes, what?

What changes would you make in this handout to make it better or easier to understand?

Please return your review of this handout to your nurse or doctor or send it to the address below.

The Emily Center
Health Education Specialist
Phoenix Children's Hospital
1919 East Thomas Road
Phoenix, AZ 85016-7710
602-933-1395

Thank you for helping us!