



Intraperitoneal Antibiotics

Follow the instructions below when administering **intraperitoneal antibiotics** (medications administered into the stomach cavity).

1. Gather supplies:

- Antibiotic
- Heparin
- Sterile water vials
- Syringes and needles
- Alcohol swabs
- Mask and gloves
- Dialysate bag(s)
 - Remember to check **Strength, Expiration, Amount, Leaks (S.E.A.L.)** with each dialysate bag

2. Apply mask, wash hands, apply gloves

3. If the medication is a powder follow the instructions below:

- Open the tops of the sterile water and powder antibiotic.
- Scrub the tops of the vials with an alcohol swab for 15 seconds. Use one swab for each vial.
- Using a larger syringe and needle, draw up air and inject it into the sterile water vial
- Look at the Antibiotic Dosing Chart to determine the prescribed amount of sterile water to withdraw.
- Withdraw the prescribed amount of sterile water into the syringe.
- Before removing needle from the vial, take your finger off the plunger to allow air to backflow into the syringe and decrease pressure in the vial.
- Remove the needle from the water vial and inject the sterile water into

the powder medication vial.

- Shake the vial to mix the powder (also known as **reconstituting**)
- If you use multiple dialysate bags, you will need to ensure you reconstitute enough medication to inject into every bag. When doing this, be sure to use a new needle and syringe for each medication for each bag (If using three Dialysate bags, then three needles and syringes will be needed for each medication)

4. If the medication is a liquid, no reconstituting is required. Follow the instructions below:

- Open the top of the medication
- Scrub the top of the vial with an alcohol swab for 15 seconds
- Using a syringe and needle, draw up air and inject it into the medication vial
- Look at the Antibiotic Dosing Chart to determine the prescribed amount of medication to withdraw
- Withdraw the prescribed amount of medication into the syringe and remove the needle from the vial

5. Clean the medication port on the Dialysate bag with an alcohol wipe

6. Carefully, insert needle of syringe into medication port of Dialysate bag and inject medication into bag. If the needle pushes through the side of the medication port, discard Dialysate bag and start with a new bag.

- All bags used for therapy will need to be dosed with the medication. If different size Dialysate bags are used, be careful to inject the correct dose into each bag.
- All IP antibiotics are single dose vials. Once reconstituted (mixed), use only the prescribed doses and discard the remaining.

- You will need to reconstitute new vials with each nightly PD treatment.

Contact information:

- Dialysis Unit Hours are Monday – Saturday, 6am – 6:30pm
- Unit Phone Number: (734) 232-7373
- PD Nurse Phone Number: (734) 232-7383 (office)
- After Hours Paging Operator: (734) 936-4000, ask for on call nephrologist or on call dialysis nurse

Disclaimer: This document contains information and/or instructional materials developed by Michigan Medicine for the typical patient with your condition. It may include links to online content that was not created by Michigan Medicine and for which Michigan Medicine does not assume responsibility. It does not replace medical advice from your health care provider because your experience may differ from that of the typical patient. Talk to your health care provider if you have any questions about this document, your condition or your treatment plan.

Author: Rachel Galimberti, RN and Kelsey Danehy, RN
Reviewers: Vivian Shih, MD

Patient Education by [Michigan Medicine](#) is licensed under a [Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International Public License](#). Last Revised 04/2022