

promethazine in 0.9% NaCl 50 mL IVPB

SUPPLIES *include quantity and medication name, strength/concentration, volume, diluent, diluent volume, and quantity and name of each supply needed*

*****NS flush syringes are never to be used for reconstitution/diluent for medication.*****

- One (1) promethazine 25 mg/mL (1 mL) injection vial
OR during vial shortage, use:
 - One (1) promethazine 25 mg/mL (1 mL) injection AMPULE
 - One (1) filter needle/straw
- One (1) 0.9% NaCl 50 mL bag
- Alcohol swabs
- One (1) 18-gauge needle preferred (20-23 gauge needles acceptable)
- One (1) appropriate sterile IV syringe size for ordered dose volume:
 - 6.25 mg = 0.25 mL, use 1 mL IV syringe
 - 12.5 mg = 0.5 mL, use 1 mL IV syringe
 - 25 mg = 1 mL, use 3 mL IV syringe
- Nursing IV admixture label(s) – Lawson # 626

STEPS *explicitly state each step in chronological order, including hand washing, gown/garb, alcohol swab, etc.)*

Steps to use VIAL:

1. Wash hands. Prepare/clean the designated mixing area.
2. Flip the cap off of the promethazine 25 mg/mL injection vial, wipe the rubber stopper with alcohol swab and the injection port of the 0.9% NaCl bag.
3. Attach 18-gauge needle to syringe. Withdraw ordered dose volume from promethazine 25 mg/mL injection vial.
4. Transfer ordered dose volume of promethazine 25 mg/mL injection into the 0.9% NaCl bag. Discard syringe with needle into a sharp container.
5. Gently invert bag to mix. Do not shake. Visually inspect solution (e.g. free of inappropriate visible particulates or other foreign matter, discoloration, and defect), and the container integrity is intact. Discard if any defects.
6. Label the promethazine in 0.9% NaCl bag with:
 - a. Drug name, strength, and dose (if not apparent by the container)
 - b. Diluent and volume (if not apparent by the container)
 - c. Hang-by date and time (**administration must begin within 1 hour from the time of compounding**)
 - d. Initials of person compounding

Steps to use AMPULE:

1. Wash hands. Prepare/clean the designated mixing area.
2. Wipe the ampule neck with alcohol swab and snap top of ampule away from yourself or others. With a new alcohol swab, wipe the injection port of the 0.9% NaCl bag.
3. Attach the filter needle/straw to syringe and withdraw ordered dose volume from promethazine 25 mg/mL injection ampule.
4. Remove filter needle/straw from syringe and discard into a sharp container, then attach a 18 gauge needle to syringe.
5. Transfer ordered dose volume of promethazine 25 mg/mL injection into the 0.9% NaCl bag. Discard syringe with needle into a sharp container.
6. Gently invert bag to mix. Do not shake. Visually inspect solution (e.g. free of inappropriate visible particulates or other foreign matter, discoloration, and defect), and the container integrity is intact. Discard if any defects.
7. Label the promethazine in 0.9% NaCl bag with:
 - a. Drug name, strength, and dose (if not apparent by the container)
 - b. Diluent and volume (if not apparent by the container)
 - c. Hang-by date and time (administration must begin within 1 hour from the time of compounding)
 - d. Initials of person compounding

NOTES *explicitly state (if applicable) any pertinent information*

- Protect final product from light. Cover with light protected plastic bag (e.g. brown plastic bag).

References

- Promethazine injection [prescribing information]. Berkeley Heights, NJ: Hikma Pharmaceuticals USA Inc. Revised: 6/2024.
<https://dailymed.nlm.nih.gov/dailymed/fda/fdaDrugXsl.cfm?setid=4bf3912c-8339-401e-9711-dad6acf15f11&type=display>
- United States Pharmacopeia (USP). General Chapter, <797> Pharmaceutical Compounding—Sterile Preparations. (2023) USP-NF. Rockville, MD: United States Pharmacopeia.
<https://ochsnerhealth.sharepoint.com/sites/ClinicalResources/SiteAssets/Forms/AllItems.aspx?id=%2Fsites%2FClinicalResources%2FSiteAssets%2FSitePages%2FRegulatory%2DReadiness%2FUSP%2D797%2DOfficial%2D11%2E1%2E23%2Epdf&parent=%2Fsites%2FClinicalResources%2FSiteAssets%2FSitePages%2FRegulatory%2DReadiness>