

FOSphenytoin (Cerebyx) in D5W 100 mL

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.*****

- FOSphenytoin injection 50 mg PE/mL 10 mL vial(s) – quantity of vials varied per order
- One (1) D5W 100 mL bag
- Alcohol swabs
- One (1) 18-gauge needle preferred (20-23 gauge needles acceptable)
- Sterile IV syringe – use smallest syringe size based on ordered dose volume
- Nursing IV admixture label(s) – Lawson # 626

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

1. Wash hands. Prepare/clean the designated mixing area.
2. Flip the cap(s) off of the FOSphenytoin 50 mg PE/mL 10 mL vial(s), wipe the rubber stoppers with alcohol swab and wipe the injection port of the D5W bag.
3. Attach 18-gauge needle to syringe. Withdraw ordered dose volume from FOSphenytoin vial(s).
4. Transfer the ordered dose volume of FOSphenytoin injection into the D5W bag, and 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 FOSphenytoin (Cerebyx) in D5W 100 mL 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

References

- Fosphenytoin injection [prescribing information]. Lake Zurich, IL: Fresenius Kabi. Revised: 2/2023.
<https://dailymed.nlm.nih.gov/dailymed/fda/fdaDrugXsl.cfm?setid=b60c9c82-e5c7-4e05-98c7-5bbba4af04b2&type=display#section-2.2>.
- 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>