

phytonadione vitamin K 10 mg/50 mL D5W

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) phytonadione 10 mg/mL (1 mL) ampule
- One (1) dextrose 5% in water (D5W) 50 mL bag
- Alcohol swabs
- One (1) 18 gauge needle preferred (20-23 gauge needles acceptable)
- One (1) 3 mL sterile IV syringe
- One (1) filter needle/straw
- 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. Wipe the ampule neck with alcohol swab and snap top of ampule away from yourself or others and wipe the injection port of the diluent bag.
3. Attach filter needle/straw to syringe. Withdraw 1 mL of phytonadione 10 mg/mL injection, utilizing the filter needle/straw.
4. Remove filter needle/straw and discard, then attach the 18 gauge needle to syringe.
5. Transfer 1 mL of phytonadione 10 mg/mL injection into the D5W bag, and 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 phytonadione 10 mg/50 mL D5W 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

- Phytonadione (Vitamin K) injection [prescribing information]. Lake Forest, IL: Hospira, Inc. Revised: 7/2021.
<https://dailymed.nlm.nih.gov/dailymed/fda/fdaDrugXsl.cfm?setid=e8808230-2c44-44c6-8cab-8f29b6b34051&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>.