

dantrolene 20 mg/60 mL SWFI (0.33 mg/mL) injection

*Reconstitution for ONE vial of dantrolene

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) dantrolene 20 mg vial (total vials dependent on weight-based dose)
- One (1) sterile water for injection (SWFI) 100 mL vial
- Two (2) 30 mL sterile IV syringe
- Two (2) vented spike adapters
- Alcohol swabs
- 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 off of the dantrolene 20 mg vial and SWFI vial, and wipe the rubber stoppers with alcohol swab.
3. Open vented spike adapters, remove the spike cap, and insert a vented spike adapter into the dantrolene vial and another in the SWFI vial.
4. Open vented spike adapter top cap on SWFI, and attach the syringe. Invert the vial to withdraw 30 mL of SWFI.
5. With vial upright, untwist and remove the syringe.
6. Repeat step 4 and 5 with the second 30 mL syringe.
7. Open vented spike adapter top cap on dantrolene 20 mg vial, and attach syringe with 30 mL of SWFI and transfer into the dantrolene 20 mg vial. Repeat with second syringe with 30 mL of SWFI for a total 60 mL of SWFI. Final concentration: 0.33 mg/mL.
8. With the second syringe still attached, shake vial for 20 seconds until clear. Visually inspect solution (e.g. free of inappropriate visible particulates or other foreign matter, discoloration, and defect), and ensure the container integrity is intact. Discard if any defects.
9. Invert vial to withdraw 30 mL of reconstituted dantrolene.
10. Place vial upright, untwist and remove the syringe.
11. Repeat step 9 and 10 with the other 30 mL syringe.
12. Label dantrolene injection syringes and administer immediately as IV push. Label to include the following:
 - 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

****Repeat as needed for number of dantrolene vials required to meet patient weight-based dose.**

NOTES

explicitly state (if applicable) any pertinent information

Vial quantity based on weight-based dose listed on MHAUS algorithm on code cart/MH kit.

References

- Dantrolene injection (Dantrium) [prescribing information]. Malvern, PA: ENDO USA, Inc. Revised 6/2024.
<https://dailymed.nlm.nih.gov/dailymed/fda/fdaDrugXsl.cfm?setid=4df35098-8702-46be-ac67-30cfd1aa570&type=display>.
- Malignant Hyperthermia Association of the United States (MHAUS). What Should be on an MH Cart?
<https://www.mhaus.org/healthcare-professionals/be-prepared/what-should-be-on-an-mh-cart/>.
- 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>.