

remdesivir 200 mg/250 mL 0.9% NaCl (LOADING DOSE)

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.*****

- Two (2) remdesivir 100 mg lyophilized powder for injection vials
- Four (4) sterile water for injection (SWFI) 10 mL
- One (1) 0.9% NaCl 250 mL
- Alcohol swabs
- Four (4) 18 gauge needles preferred (20-23 gauge needles acceptable)
- Two (2) 30 mL sterile IV syringes
- Two (2) 50 mL sterile IV syringes
- 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 remdesivir 100 mg injection and SWFI vials, wipe the rubber stoppers with alcohol swab, and wipe the injection port of the 0.9% NaCl bag.
3. Attach 18 gauge needles to 30 mL syringes, and withdraw 19 mL of SWFI into each syringe and inject 19 mL into each remdesivir 100 mg injection vial to reconstitute. Only use SWFI to reconstitute remdesivir lyophilized powder. Discard syringes with needles into a sharp container.
4. Discard the remdesivir vial if a vacuum does not pull the SWFI into the vial.
5. Immediately shake the vial for 30 seconds.
6. Allow the contents of the vial to settle for 2 to 3 minutes. A clear, colorless to yellow solution, free of visible particles solution should result.
7. If the contents of the vial are not completely dissolved, shake the vial again for 30 seconds and allow the contents to settle for 2 to 3 minutes. Repeat this procedure as necessary until the contents of the vial are completely dissolved. Discard the vial if the contents are not completely dissolved. Yielded concentration of reconstituted remdesivir vials: 100 mg/20 mL (5 mg/mL).
8. Attach 18 gauge needle to 50 mL syringe, and withdraw 40 mL from 0.9% NaCl bag and discard syringe with needle into a sharp container.
9. Attach 18 gauge needle to another 50 mL syringe and withdraw a total of 40 mL of remdesivir 5 mg/mL injection.
10. Transfer 40 mL of remdesivir 5 mg/mL injection into the 0.9% NaCl bag, and discard syringe with needle into a sharp container.
11. Gently invert bag 20 times 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.
12. Label the remdesivir 200 mg/250 mL 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

References

- remdesivir (Veklury) [prescribing information]. Foster City, CA: Gilead Sciences, Inc. Revised: 2/2024.
<https://dailymed.nlm.nih.gov/dailymed/fda/fdaDrugXsl.cfm?setid=c0978fa8-53ff-4ca2-82a7-567fd3e958ca&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>