

Rifampin Syrup 10 mg/mL

INGREDIENTS:

Rifampin 600 mg injection vial	2 vials
Sterile water for injection	20 mL
Simple syrup	QSAD: 120 mL

EQUIPMENT AND SUPPLIES:

Powder containment hood, 2 × 18-G needles, 2 × 10-mL syringes, graduated cylinder

PREPARATION DETAILS:

1. Reconstitute each vial of injectable powder with 10 mL of sterile water for injection.
2. Withdraw the contents from each vial into a syringe.
3. Transfer the solution to a graduated cylinder.
4. Add vehicle to the graduated cylinder to achieve the total volume indicated above.
5. Transfer contents of the graduated cylinder into an appropriately sized amber bottle.
6. Shake well to mix.

Quality-Control Procedures — Visually inspect for physical appearance of formulation and container closure integrity (no leakage, cracks in container, or improper seals).

Labeling Requirements — Extemporaneously compounded preparation. For oral use only. Store at room temperature. Shake well before use.

Storage Conditions/Stability — Store at room temperature. Stable for 56 days.

STABILITY STUDY DETAILS:

Study Container Type — Plastic prescription bottle

Referenced Manufacturers — Rifampin injection (Rifadin, Marion Merrell Dow); simple syrup (Humco); sterile water for injection (not specified).

Stability-Indicating Study — No

REFERENCES

1. Nahata MC, Morosco RS, Hipple TF. Stability of rifampin in two suspensions at room temperature. *J Clin Pharm Ther.* 1994;19(4):263-265.
2. Nahata MC, Morosco RS, Hipple TF. Effect of preparation method and storage on rifampin concentration in suspensions. *Ann Pharmacother.* 1994;28:182-185.