

Michigan Collaborative Standardization of Compounded Oral Liquids

Drug name: Rifampin

Concentration: 25 mg/mL

Route: Oral

Volume: 120 mL

Dosage Form: Suspension

Shelf Life: 28 days

Storage: Room temperature or refrigerate

Auxiliary Labeling: Shake Well

Ingredients	QS	Quantity	Units
Rifampin 300-mg capsule		10	capsule
Ora-Sweet/Ora-Plus*	Y	qs ad 120	mL

Directions:

1. Open capsules and empty contents into a mortar.
2. Triturate contents to a fine powder.
3. Levigate with a small amount of base solution to form a paste.
4. Add base solution in increasing amounts while mixing thoroughly.
5. Transfer contents of the mortar to a graduated cylinder.
6. Rinse the mortar and pestle with base solution and pour into graduated cylinder.
7. Add base solution to the graduated cylinder to achieve total volume of 120 mL.
8. Transfer contents of the graduated cylinder into an appropriate size plastic amber bottle.
9. Shake well to mix.

Notes:

- *Mix 60 mL of Ora-Sweet with 60 mL of Ora-Plus. Use mixture as base solution. Shake well before use.
- Alternatives: May substitute base solution with cherry syrup or 60 mL of Ora-Sweet SF mixed with 60 mL of Ora-Plus.

References:

- Allen Jr LV, Erickson III MA. Stability of bethanechol chloride, pyrazinamide, quinidine sulfate, rifampin, and tetracycline hydrochloride in extemporaneously compounded oral liquids. *Am J Health-Syst Pharm.* 1998;55:1804-1809.
- Jew RK et al. Extemporaneous Formulations for Pediatric, Geriatric, and Special Needs Patients. 2nd Ed. American Society of Health-System Pharmacists. Bethesda, MD, 2010.

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