

Michigan Collaborative Standardization of Compounded Oral Liquids

Drug name: Tetracycline

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 before use

Ingredients	QS	Quantity	Units
Tetracycline 250-mg capsule		12	capsule
Ora-Sweet/Ora-Plus*	Y	qs ad 120	mL

Directions:

1. Open tetracycline 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 the total volume indicated above.
8. Transfer content 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 60 mL of Ora-Plus mixed with 60 ml of Ora-Sweet SF with expiration date of 10 days refrigerated and 7 days when stored at room temperature.

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, Soo-Hoo W, Erush SC. *Extemporaneous Formulations for Pediatric, Geriatric, and Special Needs Patients.* 2nd ed. Bethesda, MD: American Society of Health-System Pharmacists; 2010.

Reviewed: April 2013; BW/ME

The information provided on this site is only to be used for educational and informational purposes only. It may not be relied upon to direct or provide care to a patient, or to prepare treatments for a patient. This material is not intended as a substitute for retaining and consulting appropriate medical and health care professionals, who remain solely responsible to provide and direct patient care. Be aware that the information contained on this site may not be up to date due to more recent medical developments. The preparation, dispensing, and administration of pharmaceuticals is and remains the responsibility of licensed medical professionals or pharmacists, and may require governmental approvals. The owner and provider of this site disclaims and assumes no liability for any injury and/or damage to persons from use of any information contained on this site.