

# Michigan Collaborative Standardization of Compounded Oral Liquids

**Drug name:** Tacrolimus

**Concentration:** 0.5 mg/mL

**Route:** Oral

**Volume:** 120 mL

**Dosage Form:** Suspension

**Shelf Life:** 56 days

**Storage:** Room temperature

**Auxiliary Labeling:** shake well before use

Ingredients	QS	Quantity	Units
Tacrolimus 5-mg capsule		12	capsule
Simple Syrup/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 the total volume indicated above.
8. Transfer content of the graduated cylinder into an appropriate size glass or plastic amber bottle.
9. Shake well to mix.

## Notes:

- \*Mix 60 mL of Simple Syrup with 60 mL of Ora-Plus. Use mixture as base solution. Shake well before use.
- Hazardous agent: Use appropriate precautions (face mask and gloves) for handling and disposal.

## References:

1. Jacobson PA, Johnson CE, West NJ et al. Am J Health-Syst Pharm. 1997; 54:178-80.
2. Jew RK, Soo-Hoo W, Erush SC. *Extemporaneous Formulations for Pediatric, Geriatric, and Special Needs Patients*. 2<sup>nd</sup> ed. Bethesda, MD: American Society of Health-System Pharmacists; 2010.

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