

## Michigan Collaborative Standardization of Compounded Oral Liquids

**Drug name:** Pyrimethamine

**Concentration:** 2 mg/mL

**Route:** Oral

**Volume:** 125 mL

**Dosage Form:** Suspension

**Shelf Life:** 91 days

**Storage:** Room temperature or refrigerate

**Auxiliary Labeling:** Shake Well

Ingredients	QS	Quantity	Units
Pyrimethamine 25-mg tablet		10	tablet
Simple Syrup/Methylcellulose 1%*	Y	qs ad 125	mL

### Directions:

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

### Notes:

- \*Mix 62.5 mL of Simple Syrup with 62.5 mL of Methylcellulose 1%. Use mixture as base solution. Shake well before use.

### References:

- Nahata MC, Morosco RS, Hipple TF. Stability of pyrimethamine in a liquid dosage formulation stored for three months. *Am J Health-Syst Pharm.* 1997;54:2714-2716.
- Jew RK et al. Extemporaneous Formulations for Pediatric, Geriatric, and Special Needs Patients. 2<sup>nd</sup> Ed. American Society of Health-System Pharmacists. Bethesda, MD, 2010.

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