

Michigan Collaborative Standardization of Compounded Oral Liquids

Drug name:	Mexiletine	Dosage Form:	Solution
Concentration:	10 mg/mL	Shelf Life:	91 days
Route:	Oral	Storage:	Refrigerate
Volume:	120 mL	Auxiliary Labeling:	Shake Well

Ingredients	QS	Quantity	Units
Mexiletine 150 mg capsule		8	capsules
Distilled Water	X	120	mL

Directions:

1. Empty capsules into mortar and grind into a fine powder.
2. Wet the powder with the smallest amount of distilled water possible forming a smooth uniform paste.
3. Continue adding distilled water geometrically until almost final volume, mixing well.
4. Rinse mortar with distilled water and add rinse to graduate.
5. Add QS of distilled water to final volume (120 mL).

Notes:

- Room Temperature stability is 70 days.
- May substitute base solution with sorbitol with an expiration date of 28 days under refrigeration and 14 days at room temperature.

References:

- Nahata MC, Morosco RS, Hipple TF. Stability of mexiletine in two extemporaneous formulations stored under refrigeration and at room temperature. *J Am Pharm Assoc.* 2000;40:257-259.
- 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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