

Michigan Collaborative Standardization of Compounded Oral Liquids

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|-----------------------|-------------------|----------------------------|-------------|
| 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.

Reviewed: May 2013; JR/SC

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