

Michigan Collaborative Standardization of Compounded Oral Liquids

Drug name:	Ketoconazole	Dosage Form:	Suspension
Concentration:	20 mg/mL	Shelf Life:	60 days
Route:	Oral	Storage:	Refrigerate or Room Temp
Volume:	120 mL	Auxiliary Labeling:	Shake Well

Ingredients	QS	Quantity	Units
Ketoconazole 200 mg tablets		12	tablet
Ora-Blend (or 1:1 Ora-Plus:Ora-Sweet)	X	120	mL

Directions:

1. Crush tablets in a mortar and grind into a fine powder.
2. Wet the powder with the smallest amount of vehicle possible forming a smooth uniform paste.
3. Continue adding vehicle geometrically until almost final volume, mixing well.
4. Rinse mortar with syrup and add rinse to graduate.
5. Add QS of syrup to final volume (100 mL).

Notes:

- May substitute vehicle with Ora-Blend Sugar Free or cherry syrup with same stability.

References:

- Allen Jr LV, Erickson III MA. Stability of ketoconazole, metolazone, metronidazole, procainamide hydrochloride, and spironolactone in extemporaneously compounded oral liquids. *Am J Health-Syst Pharm.* 1996;53:2073-2078.
- 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.

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