

# Michigan Collaborative Standardization of Compounded Oral Liquids

<b>Drug name:</b>	<b>Ketoconazole</b>	<b>Dosage Form:</b>	Suspension
<b>Concentration:</b>	20 mg/mL	<b>Shelf Life:</b>	60 days
<b>Route:</b>	Oral	<b>Storage:</b>	Refrigerate or Room Temp
<b>Volume:</b>	120 mL	<b>Auxiliary Labeling:</b>	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.* 2<sup>nd</sup> ed. Bethesda, MD: American Society of Health-System Pharmacists; 2010.

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