



**Pharmacy**

<b>Drug Name</b>	<b>Route</b>	<b>Dosage Form</b>	<b>Concentration</b>
<b>Mercaptopurine</b>	<b>Oral</b>	<b>Suspension</b>	<b>50mg/mL</b>

<b>Formula Qty: 10mL</b>	<b>Shelf Life: 77 days</b>
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<p><b>Equipment needed:</b>            GLASS mortar, GLASS pestle, GLASS graduate, stirring rod, mask, gloves, vertical air flow hood or biological safety cabinet, amber GLASS prescription bottle</p>
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<p><b>Auxiliary Labels/Storage: Do Not Refrigerate; Shake Well</b>            Store in amber GLASS prescription bottle</p>
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<p><b>Directions:</b></p> <ol style="list-style-type: none"> <li>1. Crush tablets in a mortar and triturate to a fine powder. Add ascorbic acid.</li> <li>2. Wet powder with sterile water for irrigation and levigate to form a viscous, but smooth and uniform paste.</li> <li>3. Add simple syrup, geometrically, mixing well after each addition.</li> <li>4. Transfer to a graduate.</li> <li>5. Rinse mortar with cherry syrup, adding rinse to graduate, until almost final volume.</li> <li>6. QS to final volume with cherry syrup. Stir well.</li> </ol> <p><b>Note: **CONTACT PRECAUTIONS REQUIRED** Must be prepared in a biological safety cabinet with proper personal protective equipment</b></p>
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<b>Ingredients</b>	<b>QS</b>	<b>Quantity</b>	<b>Units</b>
Ascorbic Acid		10	mg
Mercaptopurine 50mg Tablets		10	tablets
Simple Syrup		3.3	mL
Sterile Water for Irrigation		1.7	mL
Cherry Syrup	X	10	mL

<p><b>Citations/References</b></p> <p>Aliabad HM, Romanick M, Desai S, Lavasanifar A. Effect of Buffer and Antioxidant on Stability of Mercaptopurine Suspension. Am J Health-Syst Pharm. 2008; 65(Mar): 441-447.            Reviewed: 3/29/2010 JEB</p>
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