

COMPOUND EVALUATION FORM

Compound Name: Captopril	Container-closure system(s): Amber Glass Bottle
Strength: 1 mg/mL	Preservatives: Ascorbic Acid
Dosage Form: Oral Solution	Beyond Use Date (compound type): 14 days (Room Temperature) or 56 days (Refrigerate)
Product Description: Solution	Storage: Refrigerate
Auxiliary Labels: Shake Well; Refrigerate	
Quality control procedures (ex: pH test, etc.): None	
Ingredients: Captopril 50 mg Tablets Ascorbic Acid (Vitamin C) 500 mg Tablets Sterile Water	

Instructions for preparation:**Calculations:**

1. Crush captopril tablets in mortar and triturate to a fine powder.
2. Add a small amount of sterile water for irrigation and mix well.
3. Pour into graduate.
4. Rinse mortar with additional sterile water for irrigation, adding the rinse to the graduate.
5. Add ascorbic acid tablet to the mixture and allow to dissolve.
6. QS with sterile water for irrigation. Stir well.
7. Transfer to an amber GLASS prescription bottle.

Equipment/ Supplies:

- | | | |
|---|--|--|
| <input checked="" type="checkbox"/> Mortar and Pestle | <input checked="" type="checkbox"/> Stirring rod | <input type="checkbox"/> Ointment slab |
| <input checked="" type="checkbox"/> Graduated cylinder(s) | <input type="checkbox"/> Spatula | <input type="checkbox"/> Balance |
| <input type="checkbox"/> Weigh paper | <input checked="" type="checkbox"/> Amber (plastic/glass) bottle | <input type="checkbox"/> Ointment jar |
| <input checked="" type="checkbox"/> Counting tray | <input type="checkbox"/> Syringe | <input type="checkbox"/> Funnel |

References:

1. Nahata MC, Morosco RS, Hipple TF. Stability of captopril in liquid containing ascorbic acid or sodium ascorbate. Am J Hosp Pharm. 1994; 51: 1707-1708.
2. Nahata MC, Morosco RS, Hipple TF. Stability of captopril in three liquid dosage forms. Am J Hosp Pharm. 1994; 51(Jan): 95-96.

Revised: A Swick/K Nelson 02/2020



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3. 3. Allen LV, Erickson MA III. Stability of baclofen, captopril, diltiazem HCL, dipyridamole, and flecainide acetate in extemporaneously compounded oral liquids. Am J Health-Syst. Pharm. 1996; 53(Sep 15): 2179-2184.

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