

COMPOUND EVALUATION FORM

Compound Name: Omeprazole	Container-closure system(s): Amber bottle
Strength: 2 mg/mL	Preservatives: None
Dosage Form: Oral Solution	Beyond Use Date (compound type): 45 days (Non-preserved aqueous)
Product Description: White solution	Storage: Refrigerate
Auxiliary Labels: Shake Well; Refrigerate	
Quality control procedures (ex: pH test, etc.): None	
Ingredients: Omeprazole 20mg capsule Sodium bicarbonate powder (8.4g per 100mL of solution) Sterile water for irrigation	

Instructions for preparation:**Calculations:**

1. Weigh sodium bicarbonate powder and place in graduate.
2. QS to desired volume with sterile water for irrigation. Stir until sodium bicarbonate is dissolved.
3. Empty contents of capsules into empty graduate.
4. Add approximately 90% of sodium bicarbonate solution to granules and place on a stirring plate. Allow to stir until granules dissolve. Do not use heat! Note: May take several hours for granules to dissolve completely.
5. QS to final volume with remaining sodium bicarbonate solution.

Equipment/ Supplies:

- | | | |
|---|--|---|
| <input 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 checked="" type="checkbox"/> Balance |
| <input checked="" type="checkbox"/> Weigh paper | <input checked="" type="checkbox"/> Amber plastic bottle | <input type="checkbox"/> Ointment jar |
| <input checked="" type="checkbox"/> Counting tray | <input type="checkbox"/> Syringe | <input type="checkbox"/> Funnel |

References:

1. Quercia RA, Fan C, Liu X, Chow MSS. Stability of Omeprazole in an Extemporaneously Prepared Oral Liquid. Am J Health-Syst Pharm. 1997; 54(Aug): 1833-1836.
2. DiGiacinto JL, Griener JC, Ten Eick AP. Stability of Suspension Formulations of Lansoprazole and Omeprazole Stored in Amber-Colored Plastic Oral Syringes. Ann Pharm. 2000; (34): 600-605.

Revised: K Nelson/A Swick 06/2020



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