

# Omeprazole

## 2mg/mL Oral Suspension

Last updated: June 2017

Batch No: \_\_\_\_\_

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Ingredients	Mfr	Lot #	Expiry Date	Quantity	Measured	Checked
Omeprazole 20mg Tablets	Astra-Zeneca*			20		
Sodium Bicarbonate 8.4% Oral Solution	SickKids			qs 200mL		

It is recommended that compounded sodium bicarbonate be used. Use of large amounts of injection could result in shortages.

\*Stability study conducted with these tablets. Primary Reference: Unpublished stability data. Manuscript pending. Product is a light pink when first made. Gradually gets darker pink with age. Measure dose and return to fridge immediately.

### Equipment

- Graduate
- Bottle
- Stirring Rod
- Metal strainer
- Coffee grinder (labelled for omeprazole use ONLY)

### ✓ Procedure

1. Place 20mg tablets in the coffee grinder (Melitta and Krupp brands work well. Some coffee grinders will NOT crush adequately eg. Hamilton Beach). Press down on a grinding button once until tablets **just** ground to get coating off (3 seconds). Stop, then grind for another 3-4 seconds. Stop, then grind for an additional 3-4 seconds. **Do not grind until the coating is too small**, as coating needs to be sieved out. (If coffee grinder broken or missing put tablets in a mortar then tap tablets with the pestle until they all crack. Once cracked then you can grind up fully.)
2. Once tablets are fully ground, tap sides of grinder to displace any loose powder. Ensure powder is all settled before opening top.
3. Transfer contents of ground Omeprazole to the kitchen strainer (medium size) placed over an appropriate size 250mL stainless steel or glass graduate. The strainer will catch most of the large enteric coating (EC). Some small pieces of EC will still get through but these should dissolve in sodium bicarbonate 8.4%. Too much coating will not dissolve, and forms small plugs which can clog tubes. (You cannot put powder directly into a graduate as powder sticks to the sides which can't be easily washed down.) Brush out grinder with small brush and add powder to strainer
4. Discard leftover EC from strainer into the garbage. Place the rest of powder directly into beaker.
5. Add about 90% of sodium bicarbonate 8.4% solution to the powder in the mortar
6. Let mixture sit with occasional stirring until fully (at least 20 minutes). Cover beaker with plastic wrap
7. Then make to final volume with sodium bicarbonate
8. Pour into a glass bottle.
9. Label. **Highlight "Shake bottle well each time before measuring a dose"**
10. Wipe grinder cup down with paper towel. Do not wash. Have immediately checked so it can go into the fridge.

**Storage:** Refrigerate in glass bottles only (PVC plastic OK; NOT STABLE IN PET!! Check your bottles as most plastic is PET!!) DO NOT LEAVE AT ROOM TEMPERATURE

**BUD:** 14 days




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### Sample Label:

	<b>OMEPRAZOLE 2MG/ML ORAL SUSPENSION</b> <b>FOR ENTERAL TUBE ADMINISTRATION</b>
L#:	BUD:
REFRIGERATE	SHAKE WELL (200ML)
SHAKE BOTTLE WELL <b><u>EACH TIME</u></b> BEFORE MEASURING A DOSE AS IT SETTLES OUT	

Date and Signatures of Technician and Pharmacist: \_\_\_\_\_