

# Omeprazole

## 2mg/mL Oral Suspension

Last updated: November 2008

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

Disclaimers: CAUTION: The information on The Hospital for Sick Children World Wide Web Site has been developed specifically for The Hospital for Sick Children. It is provided for informational purposes for qualified health care professionals. This material is not intended as a substitute for consulting qualified health care professionals. Patient circumstances will vary and some information may have become outdated as a result of more recent medical developments.

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

\*No Substitution

Note: See separate worksheet for Sodium Bicarbonate 8.4% Oral Solution. To purchase Nipasept contact Charles Tennant & Company, Toronto. 416-741-9264. Speak to Brian Smith. It is recommended that compounded sodium bicarbonate be used as it requires a preservative not found in the sodium bicarbonate injection. Use of large amounts of injection could result in shortages.

### Equipment

- Graduate
- Bottle
- Stirring Rod
- Metal strainer (special item kept with the funnels in the cupboard)
- Coffee grinder (labelled for omeprazole use ONLY and is kept in the graduate cupboard)

### ✓ 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 ground. Stop, then grind for another 10 seconds. Stop, then grind for a second 10 seconds. (If coffee grinder broken or missing put tablets in the mortar then tap tablets with the pestle until they all crack. Once cracked then you can grind them up fully.
2. Once tablets 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 special metal sieve or a kitchen strainer placed over an appropriate size **mortar**. (The small strainer fits over the small mortar, the larger one fits over the medium sized mortar). The strainer will catch most of the large enteric coating (EC). Some small pieces of EC will still get through but these will dissolve in SB 8.4%. (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.
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)
7. Transfer contents to a graduate
8. Rinse out mortar with some sodium bicarbonate and add to graduate
9. Then qs to final volume with sodium bicarbonate
10. Pour into a glass bottle.
11. Label. **Highlight "Shake bottle well each time before measuring a dose"**
12. Wipe grinder cup down with paper towel. Do not wash

Storage: Refrigerate in GLASS bottles only (PVC OK; but we don't carry; CANT USE PET AS NOT STABLE. DO NOT LEAVE AT ROOM TEMPERATURE




# Omeprazole

## 2mg/mL Oral Suspension

Last updated: November 2008

Expiry: 30 days

Sample Label:

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

Date and Signature (Technician and Pharmacist Final Check): \_\_\_\_\_  
\_\_\_\_\_