

# Calcium Carbonate

## 200mg/mL Oral Suspension

Last updated: April 2007

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 Patient circumstances will vary and some information may have become outdated as a result of more recent medical developments.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
Calcium Carbonate Powder USP CaCO <sub>3</sub> =100.09				100g		
Simple Syrup BP/NF/USP				150mL		
Artificial Banana Flavour				5mL		
Preserved Water (Water with Sodium Benzoate 0.1%)	SickKids			qs 500mL		

### Equipment

- Large mortar and pestle
- Spatula
- Electronic balance
- Gloves x1
- 3mL oral syringe x1
- Glass stirring rod
- 500mL graduated measure
- 500mL amber glass bottle x1
- Shrink seal x1
- Mask x1

**NOTE: ONLY** make 500mL batches at a time. Product can settle out before all is poured into bottles. If need more than 500mL, do separate batches.

### ✓ Procedure

1. Ensure that the chemical bottle has both a "date/COA", and "Equipment to use when handling" labels on it.
2. If you empty a chemical bottle, check the chemical shelves to see if it is the last bottle of the particular Lot #. If it is, then pull the corresponding COA from the COA binder and **DATE IT** and then put it in the **Discontinued COA binder**.
3. Measure Simple Syrup in the 500mL graduated measure.
4. Measure Banana flavour and add to the Simple Syrup.
5. Tare the mortar on the electronic balance and wearing gloves and a mask weigh out the Calcium Carbonate powder.
6. Levigate the Calcium Carbonate powder with some Preserved Water until a smooth paste is formed. Add the Simple Syrup to the paste in the mortar and levigate. Transfer to the graduated measure. Use additional Preserved Water to rinse the remaining drug from the mortar.
7. Make up to the final volume with Preserved Water. Stir well.
8. Transfer the suspension to the amber bottle.
9. Label and affix shrink seal.




# Calcium Carbonate 200mg/mL Oral Suspension

Last updated: April 2007

Storage: Room temperature

Expiry: 60 days

Sample Label:

	<b>CALCIUM CARBONATE 200MG/ML ORAL SUSPENSION</b> (CONTAINS 80MG ELEMENTAL CALCIUM PER 1ML)
L#:	EXP:
STORE AT ROOM TEMPERATURE	SHAKE WELL (500ML)

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