



Sodium Bicarbonate 8.4% Oral Solution (Na + 1mmol/mL)

Last updated: November 2008

Batch No: _____

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Ingredients	Mfr	Lot #	Expiry Date	Quantity	Measured	Checked
Sodium Bicarbonate Powder USP $\text{NaHCO}_3 = 84.01$				84g		
Nipasept Sodium 20% Solution = $\text{C}_{10}\text{H}_{11}\text{NaO}_3 = 202.2$				10mL		
Sterile Water for Irrigation USP				qs 1000mL		

NOTE : To purchase Nipasept, contact Charles Tennant & Company, Toronto. 416-741-9264. Speak to Brian Smith. It is recommended that this compounded sodium bicarbonate recipe be used as the injection is preservative-free. Use of large amounts of injection could result in shortages.

Equipment

- 30mL graduated measure
- spatula
- electronic balance
- magnetic stirrer
- hot/stirring plate
- gloves x 1
- glass stirring rod
- mask x 1
- stainless steel beaker
- 5mL oral syringe
- mushroom cap x 1
- 250mL amber bottles x 4
- shrink seals
- 1000mL graduated measure

✓ Procedure

PART ONE: To make Nipasept Sodium 20% Solution (should dissolve fairly quickly)

- 1. Wearing gloves and a mask, weigh 2g of the Nipasept Sodium in a 30mL graduate on the Electronic balance. Measured _____ Checked _____
- 2. Add 8mL of Sterile Water for Irrigation. Stir until dissolved, then qs to final volume of 10mL. Measured _____ Checked _____

PART TWO: To make Sodium Bicarbonate 8.4% Oral Solution

- 1. Calculate amount needed.
- 2. Wearing gloves and a mask, weigh 84g of Sodium Bicarbonate Powder in a 1000mL metal graduate on the Electronic balance.
- 3. Add sterile water for irrigation to the 980mL mark.
- 4. Then add the 10mL of Nipasept Sodium 20% solution.
- 5. Then adjust the volume to 1000mL Sterile H_2O for Irrigation.
- 6. Place the metal graduate on the magnetic stirring plate and place a clean magnetic bar into the solution. Turn stirrer on, making sure it stirs without splashing or making noise. Stir until all powder is dissolved (about 15 - 20 minutes).
- 7. Withdraw 5mL of solution into a 5mL oral syringe for Clinical Chemistry test.
- 8. Label and apply shrink seals.



Sodium Bicarbonate
8.4% Oral Solution
(Na + 1mmol/mL)

Last updated: November 2008

Storage: Room Temperature

Expiry: 60 days

Sample Label:



SODIUM BICARBONATE 8.4% ORAL SOLUTION
(NA + 1MMOL/ML)

L#

EXP:

ROOM TEMPERATURE

(250ML)

Date and Signature (Technician and Pharmacist Final Check): _____
