



### SUGGESTED FORMULA

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#### Aminophylline 1.6% (equivalent to Theophylline 1%) Nasal Solution

Version number: 1.0

Volume: 50mL

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Aminophylline, Anhydrous USP (A4086)	0.632gm
Benzalkonium Chloride 50% Solution (B1068)	1.5mL
Sodium Chloride Solution 0.9% Injection	qs 50mL

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Note:

1.263mg of Aminophylline is equivalent to 1mg of Theophylline.

#### SUGGESTED COMPOUNDING PROCEDURES

1. Calculate the required quantity of each ingredient for the total amount to be prepared.
2. Accurately weigh and/or measure each ingredient.
3. Add Benzalkonium Chloride to a calibrated beaker
4. Add Aminophylline to step #3 and mix well
5. Add sufficient 0.9% sodium chloride injection to make 30 mL.
6. Mix until uniform permitting adequate time for saturation.
7. Package in a nasal container and label.
8. Quality Assessments:
  - a. Weight to Volume calculation
  - b. Clarity
  - c. Color

Store in air tight containers

Store refrigerated

No claims are made as to the safety or efficacy of this preparation. This formulation is provided solely at the unsolicited request of the pharmacist.

Beyond-Use Dates of preparations are conservative estimates by the formulator using reference books, peer-reviewed literature, and intended duration of therapy, formulation from commercially available products, organoleptic observations and current USP guidelines. Compounders may have stability studies performed by a reputable laboratory if they wish to extend the Beyond-Use Date. It is recommended that you follow USP <795> recommendations for potency testing.

**Beyond-Use Date should be assigned according to the Current USP Standards – 14 days refrigerated.**

**Precautions:**

General precautions should be taken to prevent cross-contamination and exposure of ingredients to the compounder and contamination of the preparation by the compounder. Wear appropriate protective equipment. Use safety enclosures (hoods) when weighing and mixing.

5/18 JD/RD