

# 2nd Generation

## New Bio-Balanced 7%, pH 7.4 Solution

Patent Pending Formula

# PULMOSAL™ 7% (pH+)

sterile, non-pyrogenic, preservative-free  
Easy to open 60x4mL Unit-Dose-Vials

Bio-Balanced™

Sterile Sodium Chloride Solution 7% for inhalation, pH 7.4



**Product Ordering Information**  
PulmoSal 7% (pH+) NDC: 50190-740-60

Amerisource Bergen	10125981
Cardinal	4917746
McKesson	3543535



**For further information contact us at:**

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[Info@pharmacaribe.com](mailto:Info@pharmacaribe.com)  
[www.pharmacaribe.com](http://www.pharmacaribe.com)

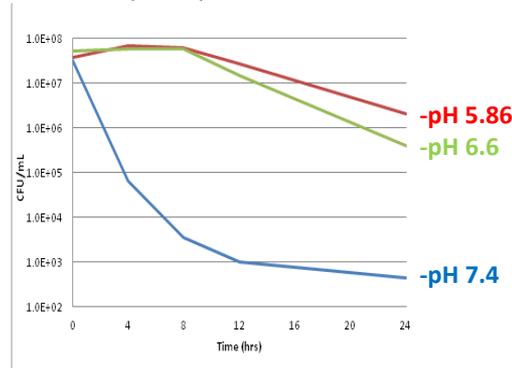
Indication: For the induction of sputum where  
sputum production is indicated

## New Study Data

### pH-DEPENDENT DIFFERENTIAL *PSEUDOMONAS AERUGINOSA* KILLING IN CF SPUTUM INCUBATED IN HYPERTONIC SALINE SOLUTIONS

Jane L. Burns, Adam Griffith, Seattle Children's Hospital and University of Washington, Seattle, WA USA  
2014 NACFC *Pediatric Pulmonary* supplement page 351 Poster Hall # 377

Comparison of *P. aeruginosa* culture density in  
CF sputum plus saline solutions



“These data show approximately 5 log decrease in bacterial density in the pH 7.4 solution compared with approximately 2 log decrease in the pH 5.86 and pH 6.60 solutions at 24 hours. The density difference between solutions is even more dramatic at 8 and 12 hours. Given the dosing frequency of 7%HS in CF, these findings suggest that the use of physiologic pH+ solution could have a marked impact on bacterial density in CF sputum.”

## Instructions for Use

### Sodium Chloride Inhalation Solution 7%, pH 7.4

#### PulmoSal™ Sodium Chloride Solution 7%

Each single-use vial contains 4ml sterile, preservative-free, non-pyrogenic Sodium Chloride Solution 7% for inhalation, pH 7.4 pH buffered with Sodium Bicarbonate

**NOT SUBSTITUTABLE with  
USP 7% Sodium Chloride**

**INDICATIONS:** The contents of these vials are used in conjunction with a nebulizer for the induction of sputum of production where sputum production is indicated.

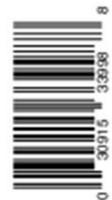
**WARNING:** Not for injection or parenteral administration.

**DIRECTIONS FOR USE:** Hold vial gently twist and pull off top. Invert and squeeze to dispense prescribed volume into the nebulizer cup. Discard any unused solution of this single-use vial and any unused solution remaining in the nebulizer cup.

**HOW SUPPLIED:** Single-use plastic vials containing 4ml solution in boxes of 60 vials.

**NDC: 50190-740-60**

**STORAGE:** Store at room temperature 15° to 30° C (50° to 86 °F). Avoid excessive heat and protect from freezing.



**Patent Pending**

**CAUTION: Rx only**

Manufactured by: Asept Pak, Inc., Malone, NY 12953

Manufactured for: PharmaCaribe, LLC., Punta Gorda, FL 33950



Questions

Call: 1-866-473-8547

M-740-60-001-B