

**PosiSep® X BAM**

**BioNOCC Antimicrobial**

**Non-Shellfish Chitosan**



# The Next Generation of Sinus Dressing

---

**Mobile AntiMicrobial  
and  
BioNOCC Non-Shellfish Chitosan**

# Continuous Innovation

**2016**

First and only **NOCC anti-adhesion chitosan**

**2021**

First and only **shellfish & animal-free chitosan** dressing – **BIONOCC**

**2024**

**BIONOCC**  
+  
anti-microbial technology  
**BAM**

First and only sinus dressings to include **water soluble and mobile anti-microbials**<sup>1-2</sup> against bacteria **and fungi**.

**2016**

First shape memory compressed wafer design for optimal placement in the nasal cavity

**2011**

**First chitosan sinus dressings** with the introduction of PosiSep®

**Introducing BAM - from Hemostasis**, the innovation and technology leader in sinus dressings. BAM incorporates Hemostasis' shellfish-free BioNOCC chitosan with two water-soluble and mobile antimicrobials to bring the next generation of sinus dressings to the ENT market.

BAM is another first in advancing the sinus dressing market. Hemostasis first pioneered chitosan technology in 2011 with the introduction of PosiSep. In the continual pursuit of improvement, we introduced our NOCC anti-adhesion technology in 2016, along with a compressed, shape memory wafer technology for optimal ease of use. This set a new bar for sinus dressings.

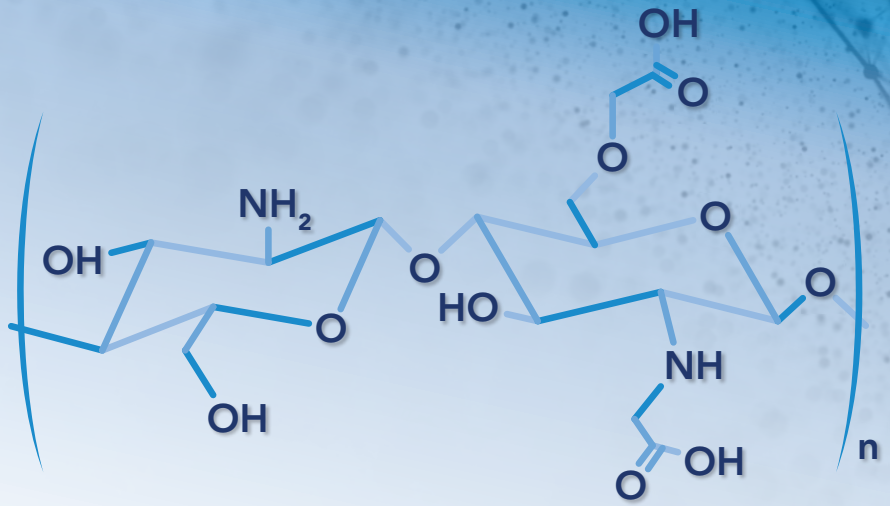
We followed this with the introduction of BioNOCC, the world's first non-shellfish chitosan sinus dressing.

BAM takes the innovation process to a new level, adding two antimicrobial agents for gram-positive gram-negative bacteria and fungi protection.

# BIONOCC

## Non-shellfish Chitosan Technology<sup>1</sup>

- A chemical structure identical to NOCC but not derived from shellfish eliminates shellfish allergy concerns.
- Chitin is isolated from non-shellfish sources and polymerized into NOCC



## Mobile and Water-Soluble Anti-Microbial Agents<sup>1-2</sup>

- Methylene blue and Gentian violet mobile and water-soluble agents.
- >4 log reduction for gram-positive and gram-negative bacteria and fungi (>99.99%).

Bacterial Strain (Gram Positive)	ATCC	24 Hours	48 Hours	7 Days
Staphylococcus aureus	6538	————— >4 log reduction (>99.99%) —————>		
Staphylococcus aureus (MRSA)	33591	————— >4 log reduction (>99.99%) —————>		
Staphylococcus pneumoniae	6301	————— >4 log reduction (>99.99%) —————>		
Bacterial Strain (Gram Negative)	ATCC	24 Hours	48 Hours	7 Days
Pseudomonas aeruginosa	9027	————— >4 log reduction (>99.99%) —————>		
Moraxella catarrhalis	25240	————— >4 log reduction (>99.99%) —————>		
Klebsiella pneumoniae	4352	————— >4 log reduction (>99.99%) —————>		
Bacterial Strain (Fungi)	ATCC	24 Hours	48 Hours	7 Days
Aspergillus brasiliensis	16404	————— >4 log reduction (>99.99%) —————>		
Candida albicans	10231	————— >4 log reduction (>99.99%) —————>		

**>4 log removal: Greater than 99.99% removal against listed microorganisms**

## Advanced Wound Healing Technology - Proprietary NOCC Chitosan Anti-Adhesion Technology<sup>3</sup>

- Provides optimal tissue healing and minimizes synechiae and adhesions.
- Separates tissues and maintains moisture

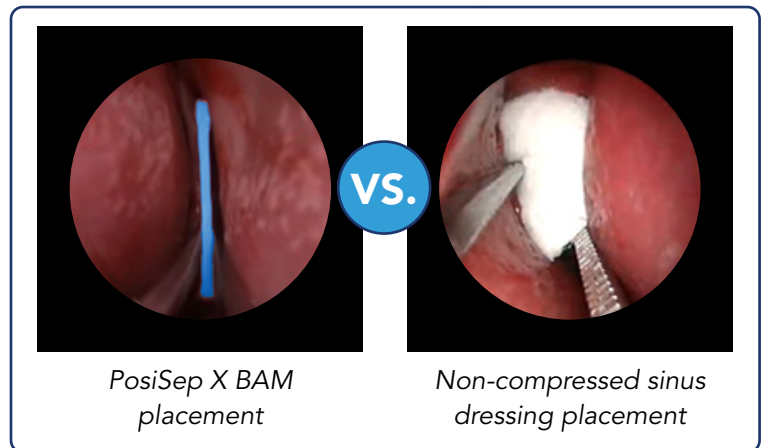
## Provides Reliable Structural Stability<sup>1</sup>

- Optimized structural support, 7-10 days



## Optimized Ease-of-Use Compressed Shape-Memory

- PosiSep X advanced shape-memory, compressed wafer design with a thickness of 0.1cm can easily be placed in the sinus with optimal visualization. Once in the desired location, it is hydrated to its original size and conforms in intimate contact with sinus tissue.
- PosiSep X fragments away after 7-10 days. Any remaining material at follow-up can be easily suctioned away.



### Part Number

9210974

### Description

PosiSep<sup>®</sup> X BAM 0.6" x 2.0" 5pk (US)

9210984 (Available Soon)

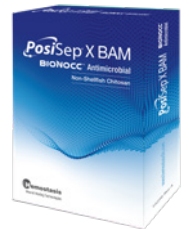
PosiSep<sup>®</sup> X BAM 8cm x 1.8cm 5pk (US)

9210994 (Available Soon)

PosiSep<sup>®</sup> X<sup>2</sup> BAM 0.8" x 2.3" 5pk (US)

### How Supplied

PosiSep<sup>®</sup> X BAM is packaged with five (5) sterile, single use units per carton. One (1) sterile unit contains one (1) Hemostat Dressing/Intranasal Splint. PosiSep<sup>®</sup> X BAM is terminally sterilized by gamma irradiation



CAUTION: Federal (U.S) law restricts this device to sales by or on the order of a physician. For detailed information regarding indications for use, warnings and precautions, see Instructions for Use.

Microbial efficacy testing has shown a complete absence of viable cells after the sponge was inoculated with various gram-positive bacteria, gram-negative bacteria, and fungi (greater than 4-log or 99.99% reduction of all organisms tested) for up to 7 days. Therefore, the PosiSep<sup>®</sup> X BAM offers protection against a broad spectrum of microorganisms commonly associated with nose morbidities. Microorganisms tested include: Staphylococcus aureus, Staphylococcus aureus (MRSA), Streptococcus pneumoniae, Pseudomonas aeruginosa, Klebsiella pneumoniae, Moraxella catarrhalis, Candida albicans, and Aspergillus brasiliensis. Note: A correlation between in-vitro testing and clinical effectiveness has not been established.<sup>1,2</sup>

### References

1. Internal Data Available
2. FDA 510K, K220326. 510K, Summary. Final
3. Hsu, K.; Ericksen, M.; Catalano, P. Effect of a Chitosan-Based Biodegradable Middle Meatal Dressing after Endoscopic Sinus Surgery: A Prospective Randomized Comparative Study. Sinusitis 2016, 1, 3-12.



**HEMOSTASIS FIAGON**  
Optimizing treatment and healing

5000 Township Parkway  
St. Paul, MN 55110  
Tel 866-612-2568

©2024 Hemostasis, LLC. All rights reserved.  
PosiSep<sup>®</sup> is a registered trademark of Hemostasis, LLC.  
BAM-0001 Rev B (US) 12.12.24