

**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 American-made  
non-shellfish 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.

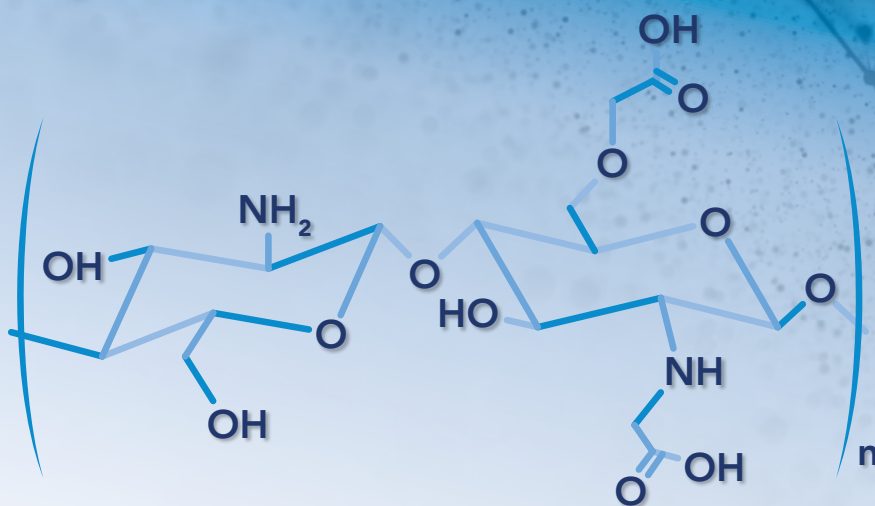
We followed this with the introduction of BioNOCC, the first American-made non-shellfish chitosan sinus dressing.

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

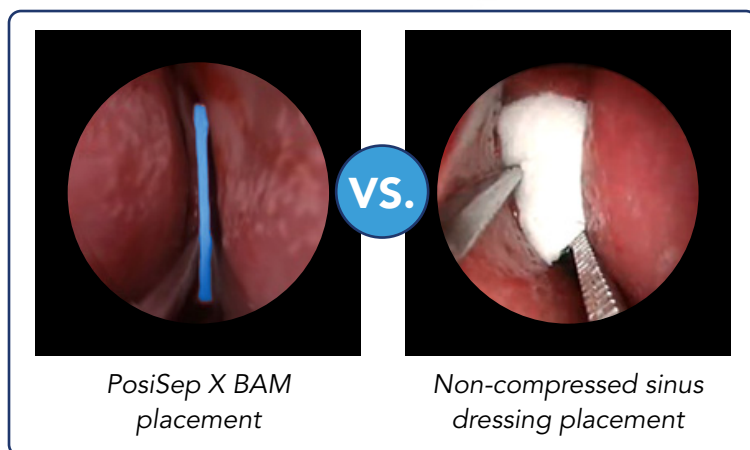
## Provides Reliable Structural Stability<sup>1</sup>

- 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

### Description

### How Supplied

|         |                                                  |
|---------|--------------------------------------------------|
| 9210974 | PosiSep® X BAM 0.6" x 2.0" 5pk (US)              |
| 9210984 | PosiSep® X BAM 8cm x 1.8cm 5pk (US)              |
| 9210994 | PosiSep® X <sup>2</sup> BAM 0.8" x 2.3" 5pk (US) |

PosiSep® 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® 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® 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® is a registered trademark of Hemostasis, LLC.  
BAM-0001 Rev C (US) 07/25