Upgrade your standard of care with effective antibiofilm technology

Follow this recommended step-down/step-up approach with the use of biofilmdisrupting technology for the management of wounds.¹¹



Source: Schultz G, Bjarnsholt T, James GA, et al. Consensus guidelines for the identification and treatment of biofilms in chronic nonhealing wounds. Wound Repair Regen. 2017;25(5): 744-757.

The Challenge of Chronic Wounds and Biofilm

Biofilm is prevalent in nearly 80% of all chronic wounds and it perpetuates the inflammatory phase of wound healing."

As biofilm matures, bacteria continue changing their phenotype, sharing their resistance to antibiotics with the community.²

Compounding this challenge is the fact that current available biofilm treatments can stall healing.¹²



BlastX Antimicrobial Wound Gel Demonstrates Successful Management of the Wound¹⁰

A 4-week, prospective, randomized, clinical trial evaluating 45 patients with chronic wounds. All wounds received serial debridement and either BlastX Antimicrobial Wound Gel, custom topical antibiotics Standard of Care (SOC) or the combination of both.

- ► Wound Closure: 1.5X relative increase in wound treatment success over the SOC when using BlastX, (53% and 80% respectively, P<0.05), with no statistical difference over BlastX when BlastX and the SOC were combined.
- Wound Volume Reduction: 32% greater wound volume reduction when using BlastX compared to the SOC.

BlastX Antimicrobial Wound Gel Demonstrates Successful Management of the Wound



10% **OF BACTERIA ARE** PLANKTONIC/ FREE-FLOATING

The periodic release of planktonic bacteria from biofilms has been linked to chronic relapsing infections.5

90% OF BACTERIA EXISTS IN BIOFILMS⁶ Bacteria protected by biofilm EPS can be

1,000x more resistant to antibiotics than planktonic bacteria.^{3,4}

Others only address the tip of the iceberg ••••••

BlastX **Antimicrobial Gel** helps solve the problem of bacterial biofilm.

Antimicrobial Wound Gel Works The 3 Dimensions of How BlastX

DECONSTRUCT

As opposed to free-floating bacteria, biofilms are powerful communities that function as a single entity with robust defense

the bacterial biofilm matrix

apart, Next Science's Xbio Technology deconstructs the biofilm mechanisms. By targeting the biofilm structure and breaking it

osmolarity condition. This environment coupled with a surfactant induces cell lysis for bacteria enveloped within the gel. Cell lysis is nondiscriminatory, therefore Xbio Technology destroys grammore vulnerable to attack. The Xbio Technology creates a high With the biofilm matrix dissolved, bacteria are exposed and bacteria within the XBIO[®] Technology

from recolonization DEFEND

Disrupting and destroying the biofilm matrix can reduce the

rate of recurrence more than 100x, effectively defending against recolonization. Other antimicrobial agents may claim to

by bacterial resistance. In contrast, the biofilm matrix cannot re-form in the presence of the BlastX Antimicrobial Wound Gel

to the Xbio Technology.⁹

wound gel. There is no known evidence of bacterial resistance

nd Repair Regen. 2008;16(1):37-44. 2. Omar A, Wright JB, Schultz G

Negatively Affects Healing Biofilms are formed in wounds when bacteria attach to surface

Biofilm EPS Matrix

fungi and spores

 gram-positive bacteria gram-negative bacteria

Wound biofilms are comprised of EPS matrix and may contain

structures and produce a protective barrier called extracellular polymeric substance (EPS). This biofilm matrix surrounds and difficult to eradicate—and delays the wound healing process.^{3,4}

polymicrobial species of:

encapsulates the bacteria, shielding them from both mechanical and chemical attack. EPS protects bacteria-making it up to 1000x more

NEXT SCIENCE[®]

Jacksonville, FL 32256

stage I-IV pressure ulcers

diabetic foot and leg ulcers

PRODUCT NUMBER PRODUCT NAME

ORDERING INFORMATION

93000

93002

93004

93006

93008

CONTAINS CONTRA

10550 Deerwood Park Blvd #300

post-surgical wounds

grafted and donor sites

Antimicrobial wound

FDA CLASSIFICATION: Federal law (USA) restricts this device to sale by or on the order

Web 3M.com/Medical

sales@nextscience.com

partial- and full-thickness wounds
first and second degree burns

Next Science BlastX[™] Antimicrobial Wound Gel

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Next Science BlastX™ Antimicrobial Wound Gel

Phone 1-800-228-3957

SIZE

1 oz. tube

0.25 oz. tube

0.25 oz. tube

0.25 oz. tube

3.5 mL sachet

NEXT SCIENCE®

while maintaining a moist wound environment. bacteria within the gel, and defends from recolonization It deconstructs the bacterial biofilm EPS matrix, destroys

Xbio^m Technology. by Next Science's patented, non-toxic, biofilm-disrupting BlastX is a breakthrough antimicrobial wound gel powered

Discover the X Factor



INDICATIONS BlastX Antimicrobial Wound Gel is indicated for the management of wounds such as:









DISCOVER THE X FACTOR IN BIOFILM DISRUPTION