

NEXT SCIENCE®



BLASTX™
DISCOVER THE **X FACTOR**
Antimicrobial Wound Gel

DISCOVER THE **X FACTOR**

BlastX is a breakthrough antimicrobial wound gel powered by Next Science's patented, non-toxic biofilm-disruption Xbio™ Technology. It deconstructs the bacterial biofilm extracellular polymeric substance (EPS) matrix, destroys bacteria within the gel, and defends from recolonization while maintaining a moist wound environment.¹

LEARN MORE AT NEXTSCIENCE.COM

What is BlastX Antimicrobial Wound Gel?

BlastX Antimicrobial Wound Gel is a breakthrough innovation powered by Next Science's patented, non-toxic biofilm-disruption Xbio™ Technology. It deconstructs the bacterial biofilm EPS matrix, destroys bacteria within the gel, and defends from recolonization while maintaining a moist wound environment.¹

Deconstruct the Bacterial Biofilm Matrix

As opposed to free-floating bacteria, biofilms are powerful communities that function as a single entity with robust defense mechanisms. By targeting the biofilm structure and breaking it apart, Next Science's Xbio Technology deconstructs the biofilm matrix without harming healthy human tissue.¹

Destroy Bacteria within the XBIO™ Technology

With the biofilm matrix dissolved, bacteria are exposed and more vulnerable to attack. The Xbio Technology creates a high-osmolarity condition. This environment coupled with a surfactant induces cell lysis for bacteria enveloped within the gel. Cell lysis is nondiscriminatory, and therefore Xbio Technology destroys gram-positive and gram-negative bacteria, fungi, persister cells, and spores.¹

Defend from Recolonization

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 destroy biofilms; however, their efficacy could be undermined by bacterial resistance. In contrast, the biofilm matrix cannot re-form in the presence of the BlastX Antimicrobial Wound Gel. There is no known evidence of bacterial resistance to the Xbio Technology.¹

Non-toxic

BlastX Antimicrobial Wound Gel is non-toxic and compatible with a broad range of advanced healing modalities, and sets the stage for better preparation and ongoing care of the wound bed.

FDA CLASSIFICATION Federal law (USA) restricts this device to sale by or on the order of a licensed healthcare practitioner.

INDICATIONS For the management of wounds such as stage I-IV pressure ulcers, partial- and full-thickness wounds, diabetic foot and leg ulcers, post-surgical wounds, first and second degree burns, and grafted and donor sites.

CONTAINS Benzalkonium Chloride 0.13%, Polyethylene Glycol 400, Polyethylene Glycol 3350, Sodium Citrate, Citric Acid, and Water.

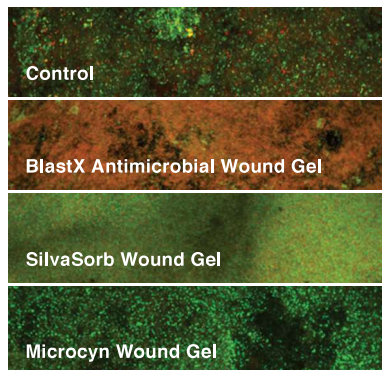
CONTRAINDICATIONS BlastX Antimicrobial Wound Gel should not be used if there is a history of allergy to any of the ingredients.

PRECAUTIONS Do not cover with alginate dressings. Federal law (USA) restricts this device to sale by or on the order of a licensed healthcare practitioner.

In Vitro Analysis: Efficacy Against Biofilm (72-hour Biofilm)²

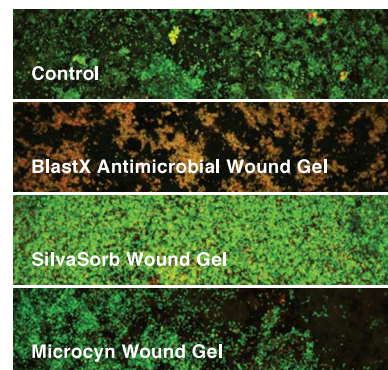
P. aeruginosa Biofilm Confocal Imaging

24 Hours of Treatment
Green Cells = Live, Red Cells = Dead



S. aureus Biofilm Confocal Imaging

24 Hours of Treatment
Green Cells = Live, Red Cells = Dead

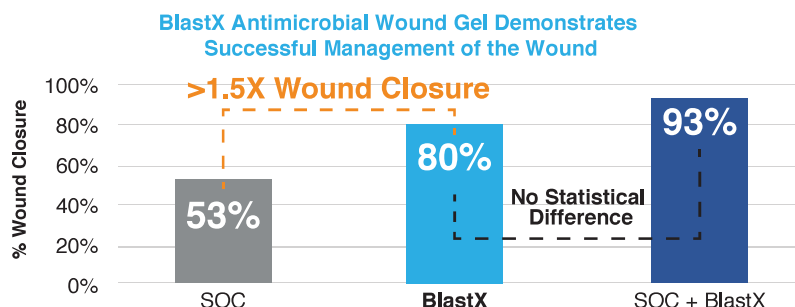


Published Peer Reviewed Results Conclude BlastX Antimicrobial Wound Gel is Significantly More Effective Compared to Custom Topical Antibiotics³

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 Antimicrobial Wound Gel, (53% and 80% respectively, P<0.05), with no statistical difference over BlastX Antimicrobial Wound Gel when BlastX Antimicrobial Wound Gel and the SOC were combined.

Wound Volume Reduction: 32% greater wound volume reduction when using BlastX Antimicrobial Wound Gel compared to the SOC.



*A successfully treated wound is defined as >50% reduction of wound volume in 4 weeks. BlastX Antimicrobial Wound Gel works by creating a moist wound healing environment that removes barriers to the body's natural healing process.

Please refer to indications for use of this product.

1. Laboratory data on file.

2. Data on file. Next Science. Center of Biofilm Engineering at Montana State University. In vitro biofilm disinfection test.

3. Wolcott, R. (2015). Disrupting the biofilm matrix improves wound healing outcomes. Journal of Wound Care 24(8), 366-71. doi: 10.12968/jowc.2015.24.8.366

BLASTX and XBIO are trademarks of Next Science IP Holdings Pty Ltd.

3M is a registered trademark of 3M Company.

© 2018 Next Science.

NEXT SCIENCE®

10550 Deerwood Park Blvd #300
Jacksonville, FL 32256
1 855 564 2762
sales@nextscience.com

ORDERING INFORMATION

PRODUCT NUMBER	PRODUCT NAME	SIZE	UNITS	BOX
93000	Next Science BlastX™ Antimicrobial Wound Gel	1 oz. tube	1	12
93002	Next Science BlastX™ Antimicrobial Wound Gel	0.25 oz. tube	1	12
93004	Next Science BlastX™ Antimicrobial Wound Gel	0.25 oz. tube	1	40
93006	Next Science BlastX™ Antimicrobial Wound Gel	0.25 oz. tube	1	80
93008	Next Science BlastX™ Antimicrobial Wound Gel	3.5 mL sachet	1	30