
NEXT SCIENCE®
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BLASTX®
Antimicrobial wound gel
30 mL
1 oz.
BLASTX®
Antimicrobial Wound Gel
DISCOVER THE X FACTOR
BLASTX Antimicrobial Wound Gel is an innovation powered by Next Science's patented, non-toxic biofilm-disrupting XBIO® Technology. It deconstructs the bacterial biofilm extracellular polymeric substance (EPS), destroys bacteria enveloped within the gel, and defends against recolonization while maintaining a moist wound environment.[1]
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Antimicrobial Wound Gel

What is BLASTX Antimicrobial Wound Gel?

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Deconstruct the Bacterial Biofilm Matrix

As opposed to free-floating bacteria, biofilms are powerful communities that each 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 Enveloped within the Gel

With the biofilm matrix deconstructed, bacteria are exposed and more vulnerable to attack. The XBIO Technology provides a high-osmolarity condition, which, coupled with a surfactant, induces cell lysis in bacteria enveloped within the gel. Cell lysis is nondiscriminatory, and therefore XBIO Technology destroys gram-positive and gram-negative bacteria, fungi, and persister cells that it comes into contact with.[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 can 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.

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.

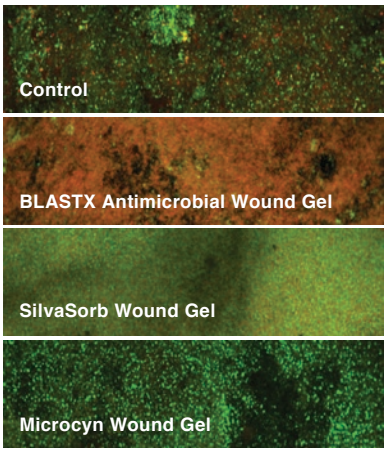
CONTAINS Benzalkonium Chloride 0.13%, Polyethylene Glycol 400, Polyethylene Glycol 3350, Sodium Citrate, Citric Acid, and Water.

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

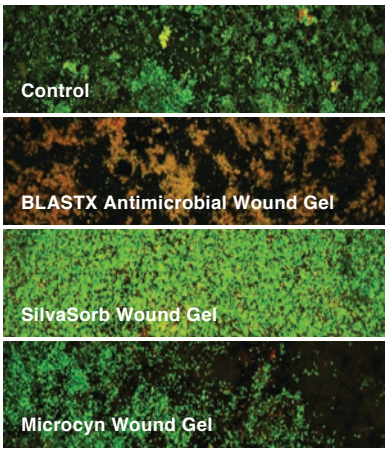
PRECAUTIONS For external topical use only. Do not ingest. Must not be used in or near the eyes. Do not cover with alginate dressings.

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



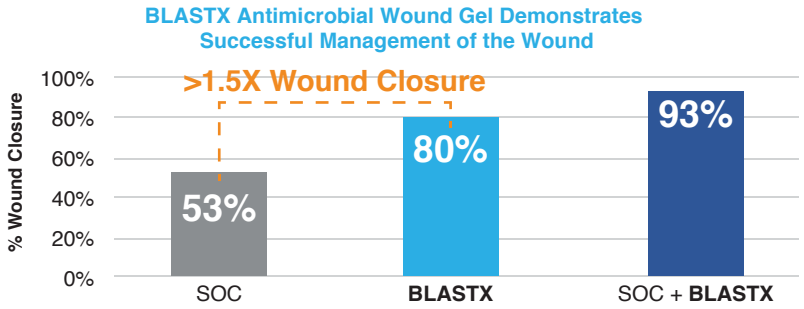
***S. aureus* Biofilm Confocal Imaging**
24 Hours of Treatment
Green Cells = Live, Red Cells = Dead



Published, Peer Reviewed Results Show BLASTX Antimicrobial Wound Gel is Significantly More Effective Compared to Custom Topical Antibiotics[3]

A 4-week, prospective, randomized, clinical trial evaluated 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).



A successfully treated wound is defined as >50% reduction of wound volume in 4 weeks.

1. Data on file.
2. Data on file.
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

NEXT SCIENCE®

POWERED BY XBIO® TECHNOLOGY

BLASTX® // SURGX® // XPERIENCE™ // Bactisure™

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ORDERING INFORMATION

PRODUCT	Part Number
BLASTX 1oz. Single Tube	WG-0001
BLASTX 1oz. Box of 12 Tubes	MC-WG-0001-12
BLASTX 0.25oz. Box of 40 Tubes	MC-WG-0003-40

MPN-WG-001 Rev I