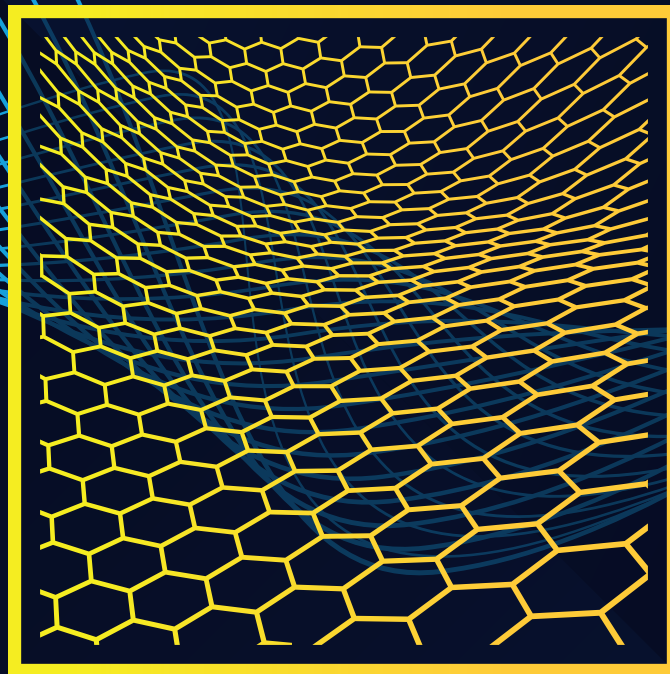


Microlyte[®]

MATRIX

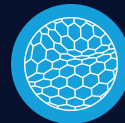
NEXT GENERATION ANTIMICROBIAL MATRIX



FOR SURGICAL &
NON-SURGICAL
WOUNDS



ADVANCED
BIORESORBABLE
FORMULA



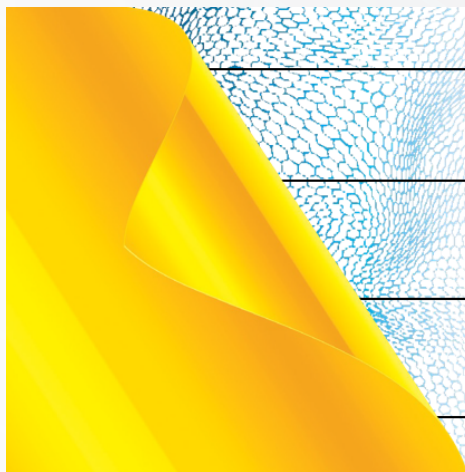
MATRIX
CONTOURS TO
TISSUE



Imbed
BIOSCIENCES

MicrolYTE[®] MATRIX DIFFERENCE

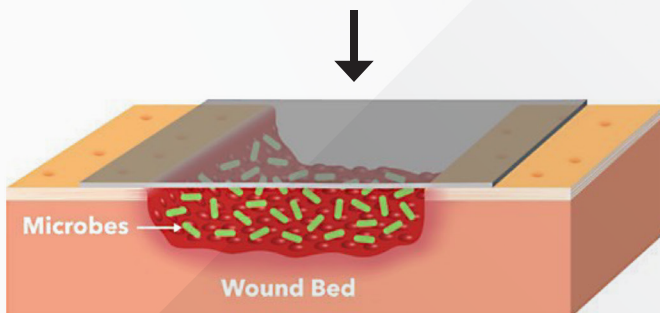
Next Generation broad spectrum antimicrobial synthetic Destroys bacteria – Friendly to cells



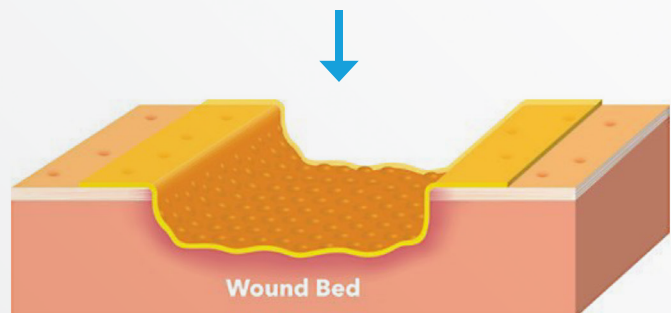
- **Bioresorbable Matrix**
100% bioresorbable polymer matrix eliminates the need to remove residual matrix from wound.
- **Contours to Matrix Wound**
Absorbs wound fluid and serves as a template for cell migration, vascularization, granulation tissue formation.
- **Day 1 Product Use**
MicrolYTE may be used as early as day 1 when wounds present - without the need for 30 days of conservative care.
- **Exceptionally Effective**
99.99% effective against a broad spectrum of wound related microbes.

MicrolYTE[®] Matrix IS next generation wound therapy

Conventional Antimicrobial Graft Contains 0.1% PHMB



MicrolYTE[®] MATRIX Contains ~0.1mg/in² Ag



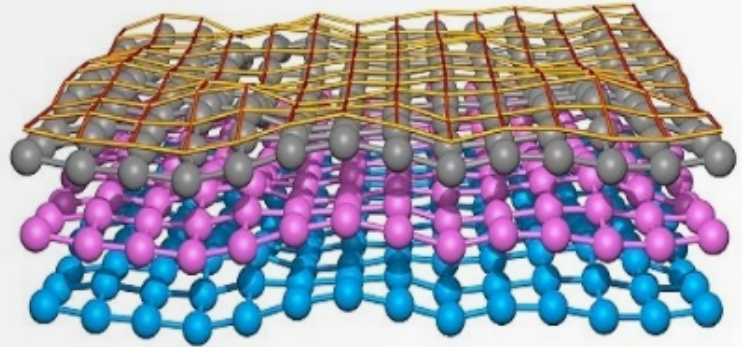
The ultra-thin form factor of MicrolYTE[®] Matrix allows the product to **contour to the micro-texture** of the wound bed and maintain high antimicrobial efficacy while also serving as a functional molecular template to **facilitate the granulation process** at the wound bed surface.

Next Generation Antimicrobial

The Matrix

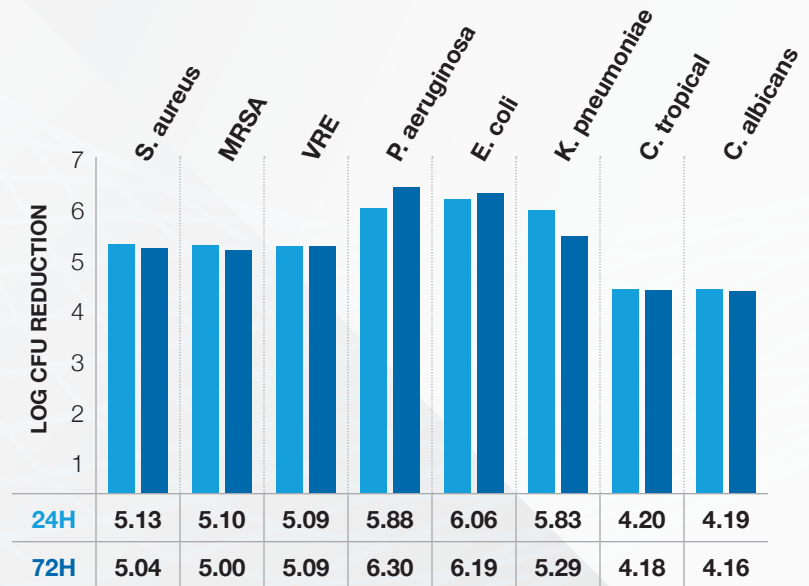
Microlyte® Matrix is a nanofabricated proprietary blend of synthetic polymers built layer by layer into a three-dimensional matrix **designed to mimic human ECM.**

The multi-layer design is **cell friendly** and provides an environment where fibroblasts and keratinocytes can migrate and proliferate. The proprietary 3D scaffold in Microlyte® Matrix is cell friendly while being **hostile to bacterial growth** – unlike traditional human or animal derived scaffolds where bacteria can grow.



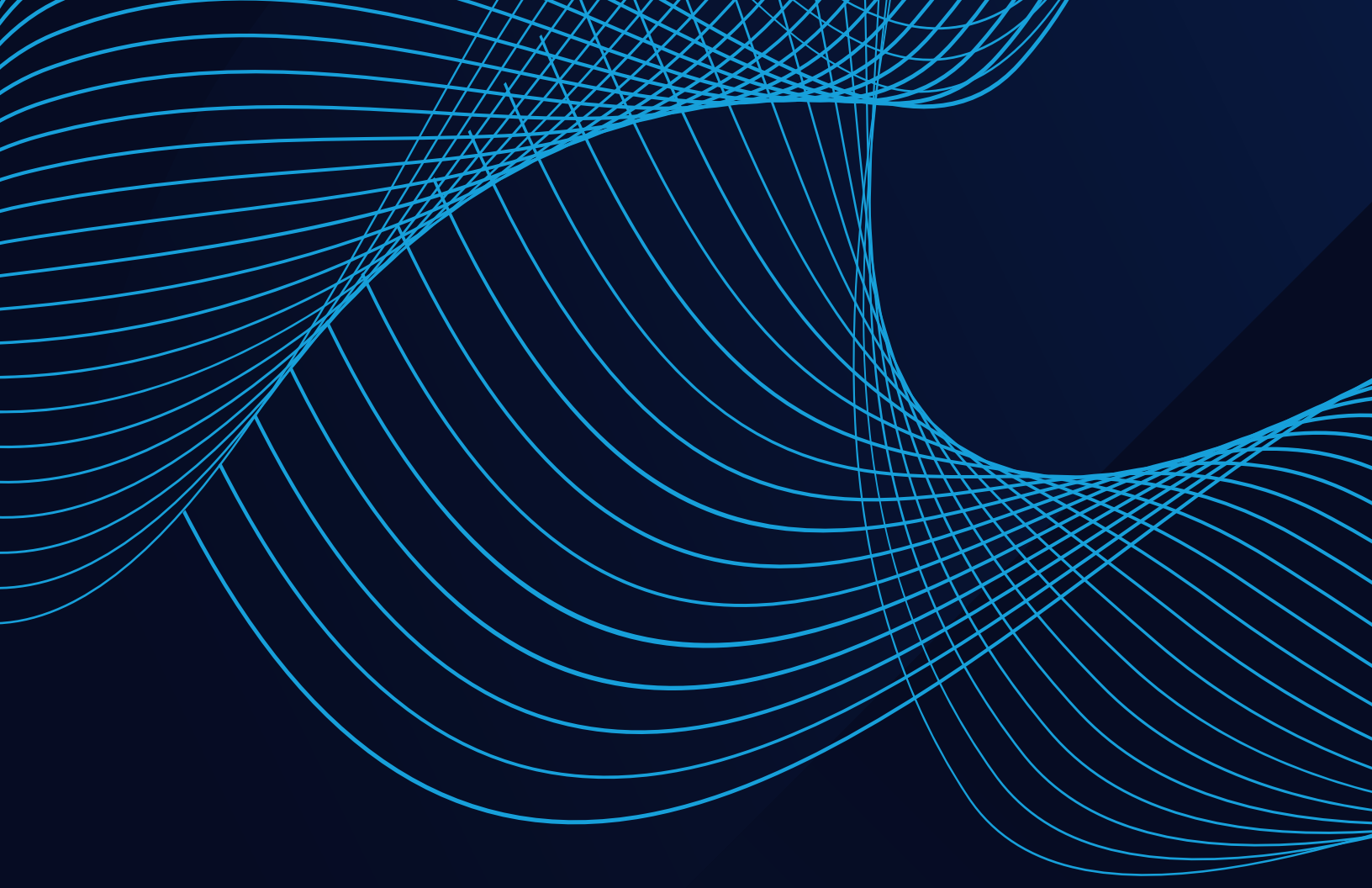
Next Generation Silver

Clinical Strength Next generation silver particulates only 7 nanometers in size are imbedded into The Matrix providing **broad spectrum antimicrobial benefit WITHOUT** toxicity. The structure and charge of The Matrix allows for precisely LOW levels of silver to provide gentle, but effective antimicrobial activity while being cell friendly.



References: A Agarwal, et al., *Biomaterials*, 2010. 31(4): p. 680-690. M Herron, et al., *Advanced healthcare materials*, 2014. 3(6): p. 916-928. M Gruppuso, et al., *Applied Materials Today* 24 (2021): 101148. SW Manning, et al., *Wounds: a Compendium of Clinical Research and Practice*, 2020. 32(11). Chatelain, R., *A Clinical Case Series. Wounds: a Compendium of Clinical Research and Practice*, 2021. 33(10): p. 245-252. M Logar, et al. Boštjan Jancar, and Danilo Suvorov. "In situ synthesis of Ag nanoparticles in polyelectrolyte multilayers." *Nanotechnology* 18.32 (2007): 325601.

P/N 46045 Rev. 0



SKU	Size	Description	Billing Units	HCPCS
ML0505	5cm x 5cm	Synthetic Antimicrobial Wound Matrix	25	A2005
ML1010	10cm x 10cm	Synthetic Antimicrobial Wound Matrix	100	A2005

**Please call your local Microlyte[®] Representative
or email officesales@imbedbio.com.**

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