Reducing infection risk and pain with one solution

Microlyte® PainGuard™ is a synthetic antimicrobial matrix containing ionic and metallic silver at low, non-toxic levels, providing a 99.99% reduction of a broad range of microbes on the matrix.[1,2†] The matrix also releases a uniform, unit-dose of lidocaine HCl, providing simultaneous pain relief.[2]

- Conforms with transparency to the microtextures of the wound bed.[3]
- Synthetic, thin, porous matrix is made of resorbable polymers and designed to mimic human ECM.[4,5]
- Designed to assist in pain relief: >80% release of lidocaine HCl within first 30 minutes.[6]

Microlyte®
Synthetic Antimicrobial Matrix

PainGuard™
with Lidocaine

REFERENCES:
1. Microlyte Shelf Life and Stability. Data on file, Imbed Biosciences.
2. Measurement of Antimicrobial Activity of Microlyte Ag. Data on file, Imbed Biosciences.
3. Agarwal A, et al. Surfaces modified with nanometer-thick silverimpregnated polymeric films that kill bacteria but support growth of mammalian cells. Biomaterials. 2010;31(4):680-90.
4. Product Handleability Evaluation Report, Data on file, Imbed Biosciences.
5. Systemic Toxicity, Local Tissue Response, and Wound Healing Study of Microlyte Ag, Following Repeated Treatment to Full-Thickness Wounds in Rats – 28 Days. Data on file, Imbed Biosciences.
6. U.S. Food and Drug Administration. 510(k) Summary K211943: Microlyte Ag/Lidocaine. FDA. gov. Published July 2021.

† As demonstrated in vitro

PRO-1041-US-EN-v3

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Microlyte®
Synthetic Antimicrobial Matrix

PainGuard™
with Lidocaine

Size cm²	SKU	Wound Coverage	Total lidocaine quantity per piece (mg)
3x3	I-MLPG0303	9cm²	3.6 mg
5x5	I-MLPG0505	25cm²	10 mg
10x10	I-MLPG1010	100cm²	40 mg

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