



PUREGEL™

SUPER OXIDIZING NANO-HYDROGEL

Scientifically Formulated for Extended Delivery of HOCl

PureGel™ is a pure, stable hypochlorous acid (HOCl) formulation in the form of an isotonic hydrogel wound cleanser, providing extended delivery over time.

It promotes the occlusion of wounds and enhances the lubrication of wound dressings. Gentle, effective, and non-cytotoxic, PureGel™ aids in the removal of debris and foreign materials from the wound or application site. As the clear hydrogel moves across the wound bed, it facilitates the cleansing process, creating a favourable environment for wound healing.

Trust the advanced properties of PureGel™ for optimal wound care.

Advanced Wound Care at the Nano Level

Effective.
Safe.
Natural.



Powered by **BIHOCL™**
Hypochlorous Acid Technology

REF G3003

▷ Removal of microorganisms

▷ Physical disruption of biofilm

▷ Safe for all ages and skin types

What is Hypochlorous Acid (HOCl)?

As the "First Responder" of our innate immune system and produced by our white blood cells, hypochlorous acid (HOCl) is our body's first line of defence against infection and inflammation. HOCl has been proven to effectively disrupt biofilms in wound care. In fact, research shows that HOCl can penetrate biofilm structures, breaking down the extracellular polymeric matrix that protects bacteria, allowing for easier bacterial eradication and reducing infection in chronic wounds.¹

Why choose PureGel™?

- ▷ Fights bacteria, viruses, and fungi to reduce infection risk in chronic wounds.
- ▷ Supports tissue regeneration and creates an optimal healing environment.
- ▷ Softens and removes necrotic tissue to maintain a healthy wound bed.
- ▷ Non-cytotoxic and pH balanced, safe for all ages and skin types.
- ▷ Safe for long-term use without the risk of antibiotic resistance.
- ▷ Easy-to-apply gel format for controlled use on chronic wounds.

PureGel™ is Scientifically Proven to Eliminate Up To 99.99999% of Biofilm Bacteria



Targets & Disrupts Biofilms

In a peer-reviewed study, **PureGel™** hypochlorous acid hydrogel significantly reduced multispecies biofilms, including *P. aeruginosa*, *S. aureus*, *S. pyogenes*, *E. faecalis*, and *E. coli*, after just one application.²



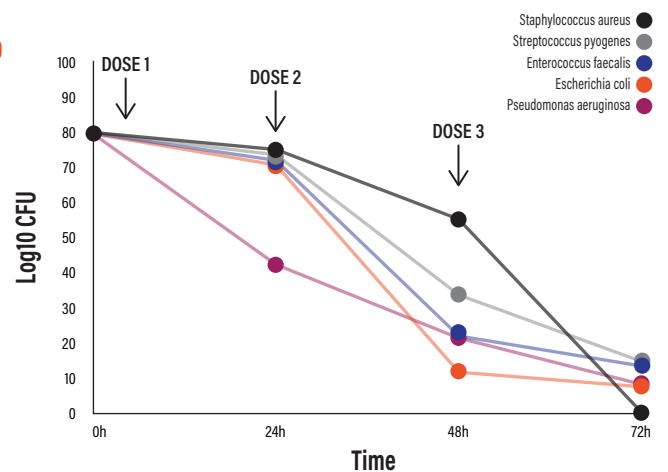
Sustained Antimicrobial Action

Multiple doses of **PureGel™** continued to reduce bacterial load over time, with no bacterial recovery observed—highlighting its ongoing efficacy against biofilm reformation.² The study was conducted on a flowing wound biofilm model that closely mimics a dynamic wound environment.



Outperforms Traditional Antimicrobials

When compared to silver, povidone iodine, crystal violet, PHMB, and non-antimicrobial dressings, **PureGel™** demonstrated superior reduction in biofilm bacteria and prevented the Gram-negative shift that can lead to persistent infections.²



¹ Sampson, M. N., Rogers, M., Stapleton, R., & Sampson, C. M. (2022). Penetration and disruption of *Staphylococcus aureus* biofilm by hypochlorous acid. *Journal of Applied Microbiology*, 132(1), 715-729. <https://doi.org/10.1093/jambio/132/1/715/6716452> ² Nedelea, A.-G., Plant, R. L., Robins, L. L., & Maddocks, S. E. (2021). Testing the efficacy of topical antimicrobial treatments using a two- and five-species chronic wound biofilm model. *Journal of Applied Microbiology*, 00, 1-10. <https://doi.org/10.1111/jam.15229>



Add PureGel™ to your wound care protocol today!

sales@biomiq.health
1 800 573 1295
www.biomiq.health

BIOMIQ

Manufactured for Biomiq Inc. by Sterasur Inc.
137 Glasgow St., Unit 115, Kitchener,
Ontario N2G 4X8, Canada