

InnovoSIL™-1 Silver

Sustained Protection: Eradicates Microbes Effectively

InnovoSIL™-1 silver is a cutting-edge antimicrobial technology that surpasses conventional silver-based products. Unlike traditional silver antimicrobials, InnovoSIL™-1 silver is a uniquely structured silver(I) periodate, enabling slow, sustained silver release, stability, and improved penetration through biofilms. This patented antimicrobial technology for medical applications represents a breakthrough in advanced infection control solutions.

Key Advantages:

Proven Efficacy

- Demonstrates significantly higher log reductions with broad spectrum kill in BEST Assay™ (anti-adherence) and MBEC Assay® (antibiofilm) tests compared to commercial silver dressings
- Rapid anti-planktonic activity
- Active against spores and viruses

Versatile Integration

Compatible with wound dressings, catheters, medical grade metals, implants, polymers, and gels.

Multiple Mechanisms of Action

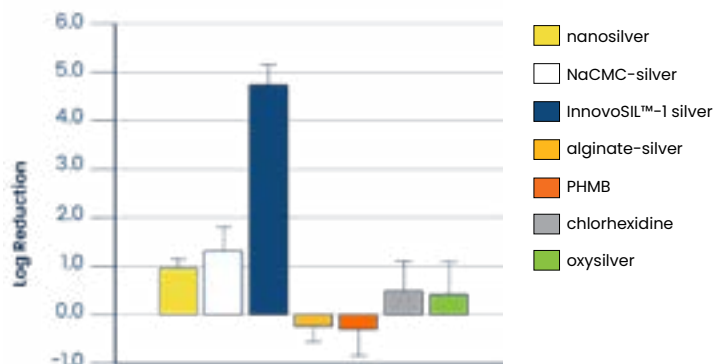
Reduced likelihood of microbial resistance development due to unique silver structure and periodate.

License-ready

Protected by multiple granted and pending patents related to:

- Coating InnovoSIL™-1 silver onto metals and polymers used in medical devices, as well as wound dressings
- Incorporating InnovoSIL™-1 silver into gels
- Antiviral activity of InnovoSIL™-1 silver

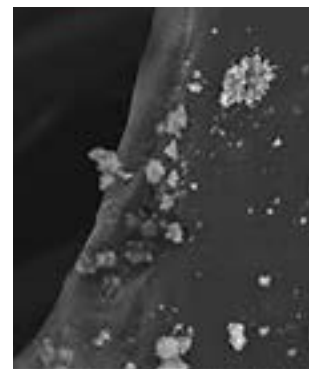
Antibiofilm testing: *C. albicans*



Ability of coated dressings to eliminate mature *Candida albicans* biofilm in 24h.



Untreated surface after exposure to *Candida albicans*



Surface treated with InnovoSIL™-1 silver after exposure to *Candida albicans*



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InnovoSIL™-1 silver is not registered with any regulatory agencies.