



SEAMLESS CARE, ANYWHERE Elevating excellence in Hospital and Homecare

SilverStream® Ionic SilverStream® Solution **Wounds & Burns** Net Content: 500 ml SilverStream® 💠 Each mL contains ionic silver e form of silver nitrate 0.01%(w/v) Ionic SilverStream® Solution FOR EXTERNAL USE ONLY AVOID CONTACT WITH EYES **Wounds & Burns** SilverStream®(\$ Net Content: 250 ml **Wounds & Burns** FOR EXTERNAL USE ONLY AVOID CONTACT WITH EYES

HEALING RATING JND ACCEL

STERILE

Medical Device

MD

WWW.SILVERSTREAMMED.COM

SilverStream® Solution

A Superior Wound Management Solution

SilverStream® is a patented wound management synergetic solution that chains the complete wound treatment cycle and accelerates the healing process of acute, burns, hard-to-treat wounds, and chronic non-healing wounds

- **BURNS**
- **DIABETIC ULCERS**
- **VENOUS ULCERS**
- PRESSURE ULCERS
- TRAUMA CASES
- POST-SURGICAL WOUND

- **ACUTE WOUNDS**
- PREVENTION OF ULCERS*
- **CUTS & ABRASIONS**
- MINOR SKIN IRRITATION
- **RECONSTRUCTIVE &** COSMETIC PROCEDURES



SilverStream®, a buffered solution, with a pleasant odor is a highly effective wound management formulation that cleans, moisturizes, soothes, and accelerates the healing process of acute, burns, hard-to-treat wounds, and chronic non-healing wounds.



SilverStream® is a patented wound management solution, combining a low concentration of silver ions (0.01%), menthol, and glycerol plus a surfactant, dissolved in a hypertonic solution.



SilverStream's unique formulation ensures the efficient eradication of biofilm, a well-prepared wound bed, and provides a highly potent environment for wound healing. May contribute to a potential reduction in Antibiotic usage.



SilverStream's proprietary mechanism of action reduces inflammation and promotes granulation tissue.



SilverStream' specialized synergistic combination of silver ions and menthol reduces the concentration level of the silver ions - to well below the cytotoxic threshold. The high concentration of the hygroscopic glycerol provides hydrogel effects.

- Protected from Microbial Contamination
- Reduces Inflammation
- Reduces High Levels of MMPS**
- Promotes Granulation Tissue
- Promotes Moist Wound/Burn
- Prevents Maceration
- Accelerates Wound Healing

- Reduces Pain
- Eliminates Odor
- Penetrates Deeper into the Wound Surface
- Prevents and treats post-surgical SSI***
- No Coloring, No Staining, No Argyria
- No Local Irritation or Allergic Reactions
- Proven Safety: Non toxic, Non cytotoxic
- Reduces Treatment Period

(1) SilverStream's Anti-Biofilm Effectiveness. Evaluation of an Ionic Silver Solution against Dual Species In-Vitro Wound Biofilms. Center for Biofilm Engineering, Montana CBE – USA

(2) Thomas E.Use of an Ionic Silver Solution for Wound Cleansing and Reduction in Biomaterial. St. Vincent Hospital, Erie, PA. USA

(3) Kumar, A., Bajaj, S. S., & Bajaj, J. K. (2022). "A Comparative Study of Efficacy of Silver Stream versus Povidone Iodine in Healing Diabetic Ulcers." International Surgery Journal, 9(6), Page Range. DOI: https://doi.org/10.18203/2349-2902.isj20221407

(4) Adam Landsman. SilverStream® Wound Optimizing Rinse for the Treatment of Mildly Infected and Non-Progressing Diabetic Foot Ulcers and Venous Leg Ulcers. Cambridge Health Alliance, and Harvard Medical School, Cambridge, MA

- (5) Weitman Cernica, C. (2021). "Preventing Ulcers in Bullous Erysipelas: Clinical Study on the Efficacy of Topical SilverStream Treatment, Including Post-Hospitalization Supervision."
- Dermatology Department, Hadassah Hebrew University Medical Center, Jerusalem, Israel * Bullous Erysipelas and Post-Surgery & Post-Traumatic Reconstruction Site Infection
- ** Matrix Metalloproteinases

*** SSI- Surgical Site Infection

SilverStream® in Action









Age: 80-year-old patient
Diabetes mellitus.
Left foot amputation plus infection.
Complications from diabetes,
blood flow on the wound bed hampered,
and tested positive on culture.

SilverStream Treatment:

10 ml SilverStream is used per treatment every day for 12 days. No debridement was performed except SilverStream. No antibiotic treatment.

No adverse event, irritation or discomfort. Complete elimination of infection observed in 5 days. Restoration of blood flow in the wound bed was seen.

Wound size reduced by >60% in 14 days.

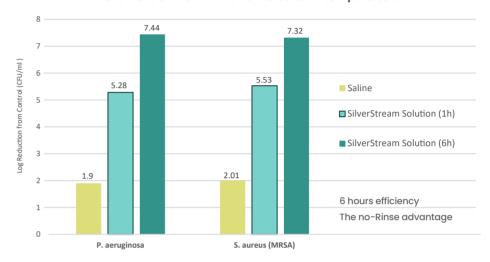
Complete wound closure after 6 weeks.

The Center for Biofilm Engineering

at Montana State University demonstrated SilverStream's strong Anti-Biofilm effect

Evaluation of an Ionic Silver Solution conducted at the Montana State University Center for Biofilm Engineering

Treatment of Biofilm with SilverStream compare to Saline



Bacterial log reduction in biofilm: after 1 hour & 6 hours of treatment of biofilm with SilverStream compare to Saline

Experiments conducted by Nelson Labs (USA) and others demonstrated broad-spectrum antimicrobial activity. The microorganisms listed in the tables represent typical pathogenic strains commonly found in wound cultures.

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| | |

| SilverStream Efficacy | Bactericidal and Bacteriostatic activity | Tests Performed | |
|---------------------------------|--|---|--|
| Escherichia coli | / | MIC/MBC/Microbial limit <usp 61="">/ Zone of inhibition <usp 81="">/ Antimicrobial preservative <usp 51=""></usp></usp></usp> | |
| Staphylococcus aureus (MRSA) | ✓ | MIC/MBC/Microbial limit <usp 61="">/ Zone of inhibition <usp 81="">/ Antimicrobial preservative <usp 51=""></usp></usp></usp> | |
| Staphylococcus epidermidis | ✓ | MIC & MBC | |
| Klebsiella pneumoniae | ✓ | MIC & MBC | |
| Pseudomonas aeruginosa | / | Microbial limit <usp 61="">/ Antimicrobial preservative <usp 51=""></usp></usp> | |

| SilverStream Efficacy | Fungicidal and Fungistatic activity | Tests Performed | |
|-----------------------|---|--|--|
| Candida albicans | ✓ | Antimicrobial preservative <usp 51=""></usp> | |
| Aspergillus niger | ✓ | Antimicrobial preservative <usp 51=""></usp> | |
| Trichophyton rubrum | / | An in-vitro study conducted by an internal laboratory aimed to screen for fungicidal activity against a pathogenic fungus causing skin infections ⁶ | |
| Microsporum canis | ~ | An in-vitro study conducted by an internal laboratory aimed to screen for fungicidal activity against a pathogenic fungus causing skin infections ⁶ | |

Expert Opinion

Chausha Weitman Cernica,

MA, R.N

Wound-care Coordinator Hadassah Hebrew University Medical Center, Jerusalem, Israel SilverStream is an effective solution for chronic ulcers preventing in case of Bullous Erysipelas. The solution is Time Saving & Cost Effective.

Adam Landsman, DPM, PhD

Assistant Professor of Surgery, Harvard Medical School Division of Podiatric Surgery, Cambridge Health Alliance SilverStream is very useful for normalizing difficult wounds. The combination of ingredients has resulted in a dramatic improvement in wounds that showed essentially no signs of progress.

ldo Mizrahi, MD,

Noemie Nalbandian, RN MPH Department of General Surgery Hadassah Hebrew University Medical Center, Mount Scopus, Jerusalem, Israel Silverstream solution offers rapid Secondary Wound Healing after pilonidal disease surgery. Cosmetic results are excellent with no recurrence.



40%
SHORTER
HOSPITAL STAY



20% FEWER DRESSING CHANGES



SilverStream® has been cleared as a medical device class II by the US FDA (510K)

for the management and moisturizing of wounds such as stage I-IV Pressure ulcers, Stasis ulcers, Diabetic foot ulcers, Post-surgical wounds, First and Second degree burns, Cuts, Abrasions and Minor skin irritation.

| INGREDIENT | ACTION | DESCRIPTION | |
|-------------|--|--|--|
| Ag NO3 | Preservative & Anti-microbial agent | Ionic silver kills on contact and inhibits the growth of bacteria, yeast, and fungi | |
| Menthol | Penetration enhancer, Growth promoter, Pain reliever, Odor fighter | Enhances ionic silver antimicrobial activities and fights wound odor, Promotes granulation tissue growth by vasodilatation | |
| Tween 20 | Surfactant and Detergent | Enhances solution penetration into the biofilm Acts as wound cleansing detergent | |
| Glycerol | A hypertonic aqueous solution that prevents macerations and Soothing agent | Aids mechanical removal of exudates and microorganisms Creates Hydrogel function by absorbing water molecules | |
| Tris Buffer | Buffered neutral pH | Biocompatible to physiological pH | |

Ordering Information

| Product Description | Pack Size | Product Code |
|---------------------------|-----------|--------------|
| SilverStream 100ml bottle | 24 | SS-1000-02 |
| SilverStream 250ml bottle | 12 | SS-1000-01 |
| SilverStream 500ml bottle | 12 | ss-1000-03 |

Non toxic, Non cytotoxic, Non Staining

Steroid-Free, Antibiotic-Free

www.silverstreammed.com

SilverStream Medical Ltd.

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INGREDIENTS

Ingredients include water for injection (WFI), glycerol (glycerin), sorbitan monolaurate (Tween-20), TRIS, menthol and silver nitrate 0.01% (w/v).



