

# SilverStream®

## A SUPERIOR WOUND MANAGEMENT SOLUTION

### SilverStream® is Superior to Other Wound Management Solutions

- SilverStream® is non-toxic to granulation tissue and does not cause local irritation/allergic reactions\*
- Synergistic effect of silver ions and menthol — allows for a very low concentration of silver ions and enables SilverStream® to be an effective antimicrobial, non-toxic, safe and painless
- SilverStream® is an ideal solution for both the initial treatment of bioburden and as a continuous facilitator of the wound healing process

\*2% of the population may be hypersensitive to silver.

### SilverStream® is 510k cleared

Specifically for the management and treatment of:

- Venous Stasis Ulcers
- Diabetic Foot Ulcers
- Stage I-IV Pressure Ulcers
- Post-Surgical Wounds

\*Sibbald RG, Williamson D, Orsted HL, et al. Preparing the wound bed—debridement, bacterial balance, and moisture balance. *Ostomy Wound Management*. 2000; 46(11): 14-8, 30.

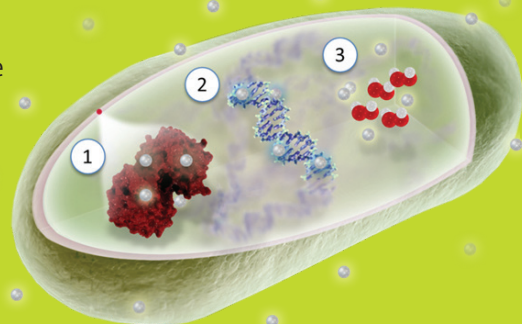


### Silver Ions Have Broad Anti-Microbial Activity

Current silver dressings contain inert silver particles which aggregate at the cell membrane and do not penetrate the cell. Silver ions, in contrary, penetrate bacterial cells leading to cell death by\*:

1. Interacting with proteins in the bacteria cell wall and interrupting the cell membrane
2. Condensing DNA within cells and interfering with cell replication
3. Disrupting the respiration process

\*Inducing apoptosis



#### CONTACT US

Angelini Pharma Inc.

8322 Helgerman Court - Gaithersburg - MD 20877 -USA

1 (800) 726-2308

[www.Angelini-us.com](http://www.Angelini-us.com)

Wright, J. Barry, Lam, Kan, and Burrell, Robert E. 1998. *Wound management in an era of increasing bacterial antibiotic resistance: a role for topical silver treatment*. American Journal of Infection Control, 26(6), 572-577; Klaus, T. et al. 1999. *Silver based crystalline nano-particles microbially fabricated*. PNAS, 96(24): 13611-614.; Feng, QL et al. 2000. *A mechanistic study of the antibacterial effect of silver ions on E. coli and S. Aureus*. J. Biomed. Mater. Res. 52 662-68