

QUICK FACTS SILVER DRESSINGS

CONCERNS ABOUT HIGH-VOLUME SILVER ION RELEASE

Mechanism of action relies on **silver ion release**¹⁻⁴

Widely recognized as **cytotoxic to keratinocytes and fibroblasts**¹⁻⁴

Growing concerns over **bacterial resistance** to silver⁵⁻⁶

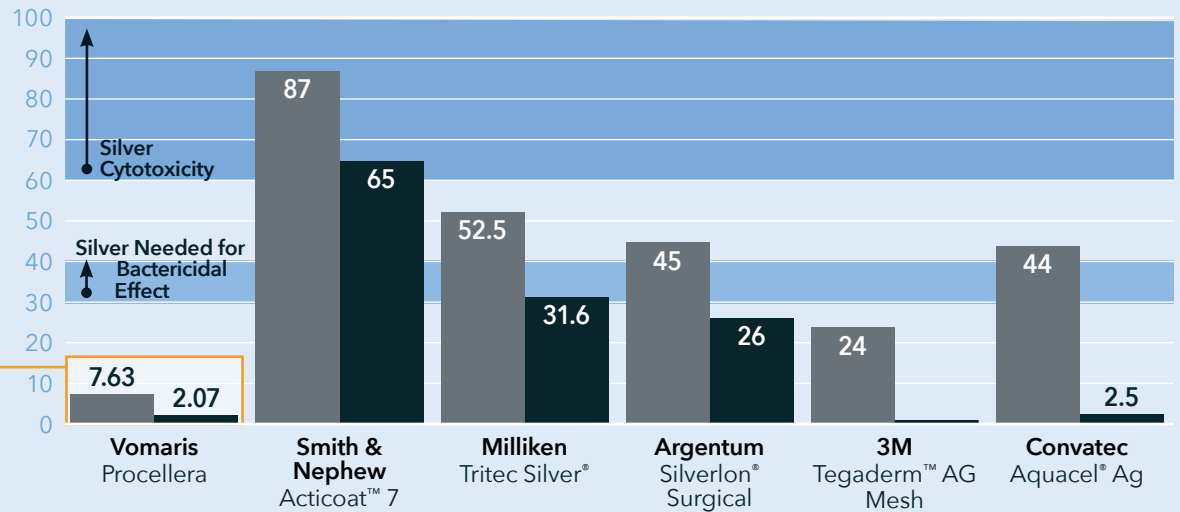
Low concentrations of silver ions are **not suitable for treatment of biofilm**⁶

Can cause **skin discoloration**¹⁻²

Procellera™ with V.Dox™ Technology uses electricity to kill microbes, not high-volume silver ion release, in contrast to top silver dressings on the market.^{4,7}

Silver Ion Release (PPM, day 1 and day 7 in SWF + BSA)

SWF = Simulated Wound Fluid
BSA = Bovine Serum Albumin



BENEFITS	ProcCellera Antimicrobial Wound Dressings	Silver Antimicrobial Wound Dressings
Antimicrobial	●	●
Addresses biofilm in vitro	●	◐*
Addresses biofilm in vivo	●	◐*
Supports cell migration and re-epithelialization	●	○

*Only one silver dressing currently claims antibiofilm impact. In addition to silver, this product also contains BEC (benzethonium chloride - surfactant) and EDTA (ethylenediaminetetraacetic acid disodium salt - metal chelating agent).

REFERENCES

- Parsons D et al. Silver antimicrobial dressings in wound management: a comparison of antibacterial, physical, and chemical characteristics. *Wounds*. 2005; 17(8):222-232.
- Lansdown ABG. A pharmacological and toxicological profile of silver as an antimicrobial agent in medical devices. *Advanc Pharmacol Sciences*. 2010; 1-16.
- Mondal R et al. Efficient silver release from ion exchange silver dressings in biologically relevant media. *Wounds*. 2019 Oct 31; epub ahead of print.
- Khansa I et al. Silver in wound care—friend or foe? A comprehensive review. *Plast Reconstr Surg Glob Open*. 2019;7: 2390.
- Lansdown ABG et al. Bacterial resistance to silver in wound care and medical devices. *J Wound Care*. 2007;16(1), 15-19.
- Percival SL et al. Silver, biofilms and wounds: resistance revisited. *Crit Rev Microbiol*. 2019;45(2), 223-237.
- Vomaris Report #R-0162 Rev. A

Please review the Instructions for Use for a complete list of indications, contraindications, warnings, and precautions.
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K-102 Rev. D

ProcCellera™ ANTIMICROBIAL WOUND DRESSING POWERED BY V.DOX™ TECHNOLOGY

MINIMIZE SILVER. ProcCellera products deliver an unparalleled impact **without** high volume silver release.

NO ADDED CHEMICALS. ProcCellera achieves its antimicrobial impact **without** the need for added surfactants or chelating agents.

ONLY PROCELLERA. Uses the power of electricity to mimic skin's physiologic electrical energy, providing a combination of **benefits that no silver dressing can claim.**

vomaris.com



Vomaris Wound Care, Inc.

1911 East Fifth Street | Tempe, AZ 85288 USA
+1 (480) 921-4948 | (866) 496-8743

