



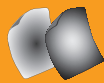
ADVANCED  
WOUND CARE

# IoPlex<sup>®</sup>

IODOPHOR FOAM  
DRESSING

ANTIBACTERIAL  
**IODINE**

CONTROLLED  
**RELEASE**  
TECHNOLOGY



# Let iodine take biofilm to task.

More than 90% of chronic wounds contain biofilm, which stalls wound healing and contributes to chronicity. Biofilm is very difficult to remove because it firmly adheres to surrounding tissue and it is highly tolerant to antibiotics. Not even debridement adequately manages biofilm.<sup>1</sup>

Enter iodine. Long known as a powerful antiseptic, numerous in-vitro studies demonstrate its superiority to other antibacterial agents—including silver—at controlling biofilm.<sup>2,3,4,5</sup>



## What is biofilm?

Biofilms are bacterial structures physically attached to a surface and characterized by significant tolerance to antibiotics and biocides. Their existence is argued as the single most important cause of delayed wound healing.<sup>6</sup>



## Why iodine?

Iodine has been used in wound care since the American Civil War. Although quite cytotoxic in its native state, the iodine of today is bonded to a carrier molecule for a gentler release that maintains efficacy against microorganisms.<sup>7</sup>

# Unlock healing potential with IoPlex.

IoPlex with I-Plexomer™ is the world's only controlled release iodine foam dressing.

A proprietary controlled-release system allows for regulated and sustained infection management through the slow release of iodine within the wound dressing.

**Highly absorbent, gentle and stackable.**  
**Easy to apply and remove.**



Reduces bacterial burden within the wound dressing



Effectively removes exudate and debris



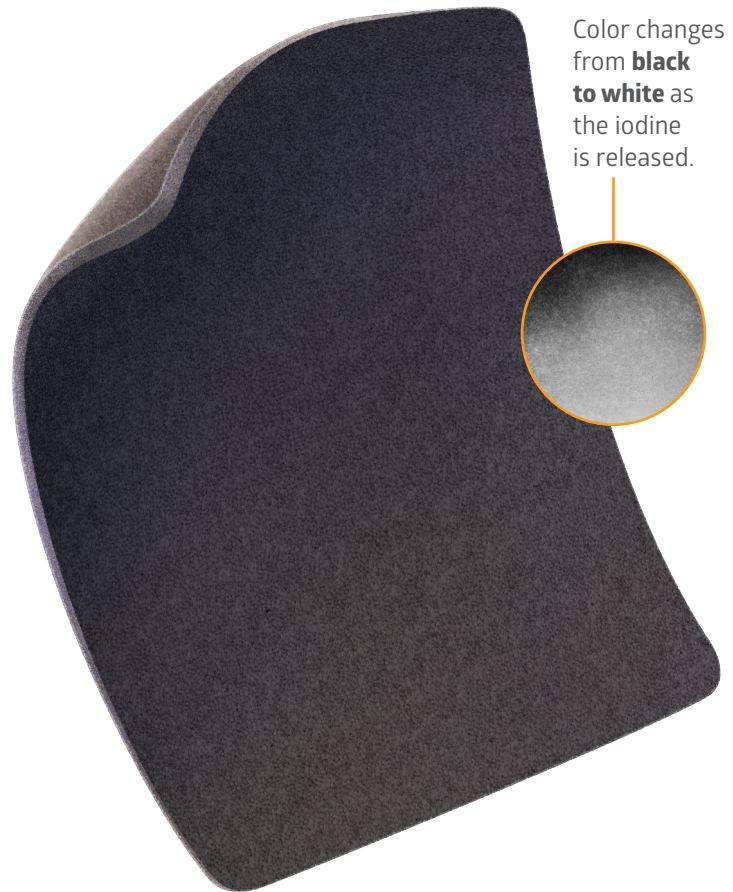
Sustained release over 24 to 72 hours



Can be cut to shape of wound and stacked



IoPlex demonstrated a 4 log or greater kill against MRSA in **5 min** and *P. aeruginosa* in **30 min**<sup>9</sup>

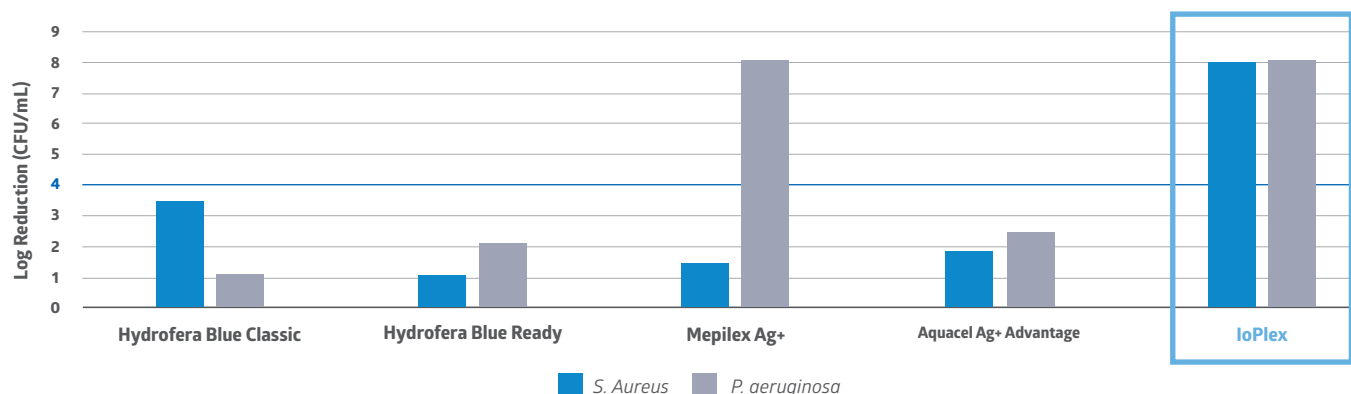


Color changes from **black to white** as the iodine is released.

## IoPlex Manages Biofilm *In-Vitro*

*In-vitro* testing showed that IoPlex had a greater than 4 log reduction against *S. aureus* and *P. aeruginosa* biofilm strains.<sup>8</sup>

Clinical significance of these findings have not been determined.



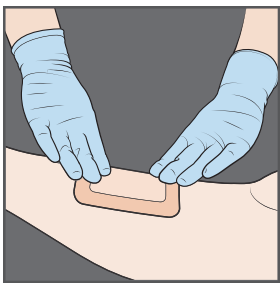
# IoPlex<sup>®</sup> is a hydrophilic absorbent foam dressing complexed with slow release iodine for biofilm management.



1. Cleanse wound bed with sterile water or saline. Remove dressing from packaging.



2. Cut dressing to shape of the wound. Minimize overlap onto skin to prevent over drying. If placing under a compression wrap, three IoPlex layers may be stacked for appropriate control/fitting.



3. Cover with appropriate secondary dressing and monitor drainage. IoPlex should remain soft and moist, not wet.



## Ordering information

Item No.	Description	Pkg.
MSC5345EP	4" x 5" Pad	8/bx, 40/cs

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References: 1. Attinger C and Wolcott R. Clinically addressing biofilm in chronic wounds. *Advances in Wound Care*. 2012;1(3):127-132. Available at: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3839004/>. Accessed September 16, 2019. 2. Phillips PL, Yang Q, Sampson E, Schultz G. Effects of antimicrobial agents on an in vitro biofilm model of skin wounds. *Advances in Wound Care*. 2010; 1:299-304. 3. Hill KE, Malic S, McKee R, Rennison T, Harding KG, et al. An in vitro model of chronic wound biofilms to test wound dressings and assess antimicrobial susceptibilities. *Journal of Antimicrobial Chemotherapy*. 2010; 65(6):195-206. 4. Thorn RMS, Austin AJ, Greenman J, Wilkins JPG, Davis PJ. In vitro comparison of antimicrobial activity of iodine and silver dressings against biofilms. *Journal of Wound Care*. 2009;18(8):343-346. 5. Phillips PL, Yang Q, Davis S, Sampson EM, Azeke JI, et al. Antimicrobial dressing efficacy against mature *Pseudomonas aeruginosa* biofilm on porcine skin explants. *International Wound Journal*. 2015; 12(4):469-483. 6. Schultz G, Bjarnsholt T, James GA, Leaper DJ, McBain AJ, Malone M, et al. Consensus guidelines for the identification and treatment of biofilms in chronic nonhealing wounds. *Wound Repair and Regeneration*. 2017;25(5):744-757. Available at: <https://onlinelibrary.wiley.com/doi/pdf/10.1111/wrr.12590>. Accessed September 16, 2019. 7. Sibbald RG, Leaper DJ, Queen D. Iodine made easy. *Wounds International*. 2011;2(2). Available at: <https://www.woundsinternational.com/resources/details/iodine-made-easy>. Accessed September 16, 2019. 8. Data on file. 9. Data on file.