

**NEXT SCIENCE®**

Powered By **XBIO®** Technology

**XPERIENCE®**

Advanced Surgical Irrigation





## What is XPERIENCE?

XPERIENCE is a **no rinse** surgical solution, designed to help prevent surgical site infections by rinsing away debris and microorganisms.

The technology **deconstructs** the biofilm that enters into the solution by removing the metal ions holding the polymers together and **destroys** the enveloped bacteria. XPERIENCE **defends** against bacterial recolonisation.<sup>3</sup>

## Features

- ✓ 5+ hours of ongoing protection against bacterial biofilms<sup>4</sup>
- ✓ No secondary rinse out required
- ✓ Non-toxic\*
- ✓ Broad spectrum efficacy
- ✓ No known bacterial resistance
- ✓ Compatible with most commonly used implants and closure methods<sup>†,5</sup>

**XPERIENCE**<sup>®</sup>  
Advanced Surgical Irrigation



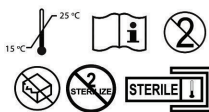
**Warning: NOT FOR IV USE**

**Warm to Body Temperature  
Prior to Use**

(Do not exceed 40°C for more than 6 months)

**REF** SL-0005 **QTY** 1 (500 mL)

**CONTAINS** Sodium Citrate,  
Citric Acid, Sodium Lauryl  
Sulfate, and Purified Water.



**Rx Only**

Manufactured for:  
Next Science, LLC  
10550 Deerwood Park Blvd  
Suite 300  
Jacksonville, FL 32256 USA

\*When used per the IFU

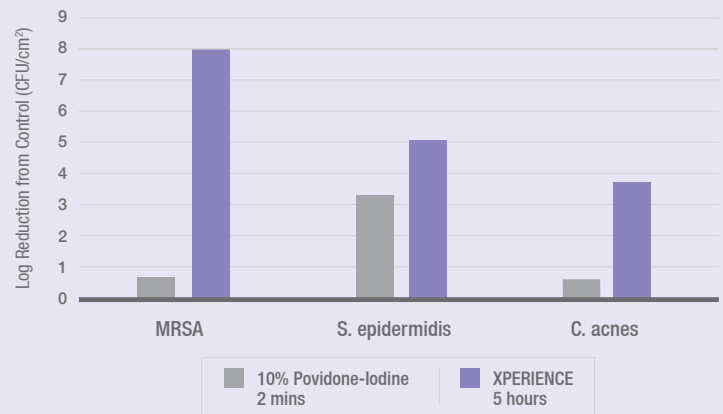
†Does not include fibrin sealants<sup>5</sup>

## Biofilm Efficacy – The No Rinse Advantage<sup>4</sup>

### Proven Efficacy against biofilm bacteria

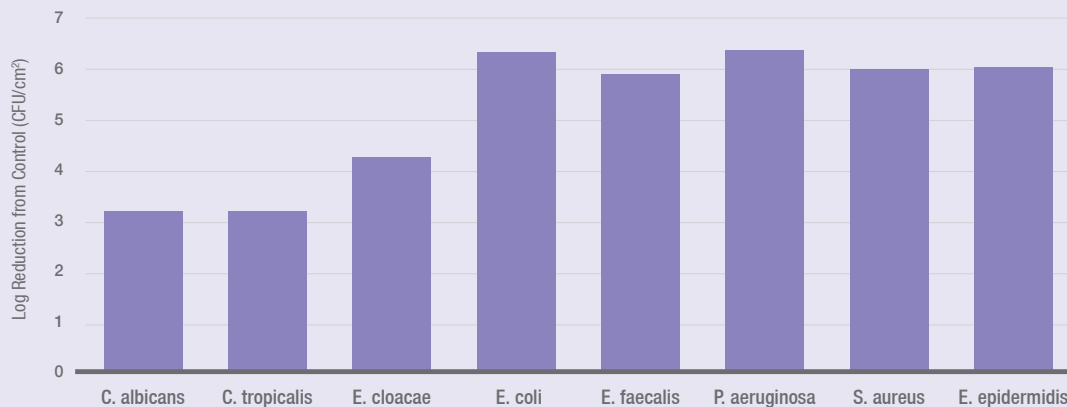
- 5+ hours of ongoing protection against bacterial biofilms
- Significant bacterial log reductions including:
  - ✓ MRSA
  - ✓ *S. epidermidis*
  - ✓ *C. acnes*

Biofilm Efficacy Comparison - The No Rinse Advantage



This in-vitro study was conducted by an independent laboratory. Hydroxyapatite substrate was used to test all solutions except that stainless steel substrate was used to test povidone-iodine against MRSA. Solutions were applied under static conditions, and contact time was based on commercially available product instructions for use.

## 5 Minute Planktonic Efficacy<sup>6</sup>



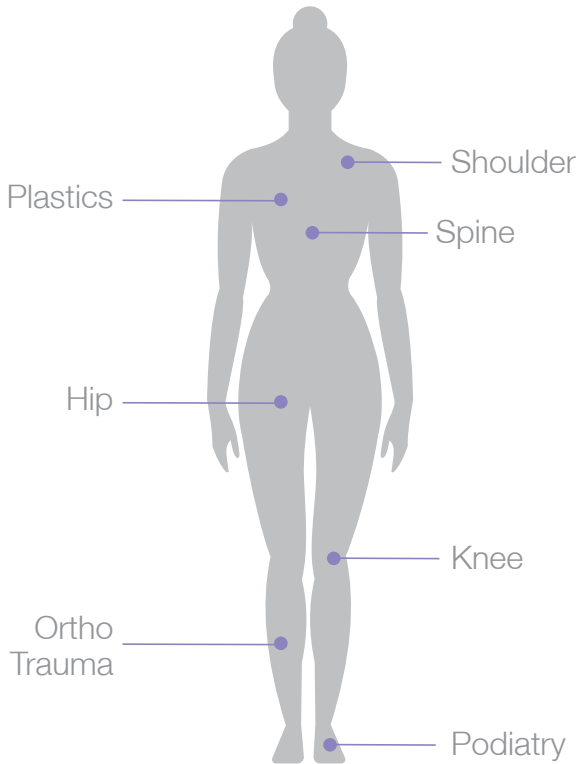
# Safety and Compatibility

Surgical Implants and Closure Methods	Suitability with XPERIENCE <sup>5</sup>
316L Stainless Steel	✓
Chrome Alloy	✓
Nylon Sutures	✓
Polyester Sutures	✓
Polyethylene	✓
Polydimethylsiloxane (PDMS)	✓
Polypropylene Sutures	✓
Polysulphone	✓
Silk Sutures	✓
Titanium	✓
Tivanium™	✓
Fibrin Sealants	✗
Hydroxyapatite (HA) implants	✓

Tivanium is a trademark of Zimmer.

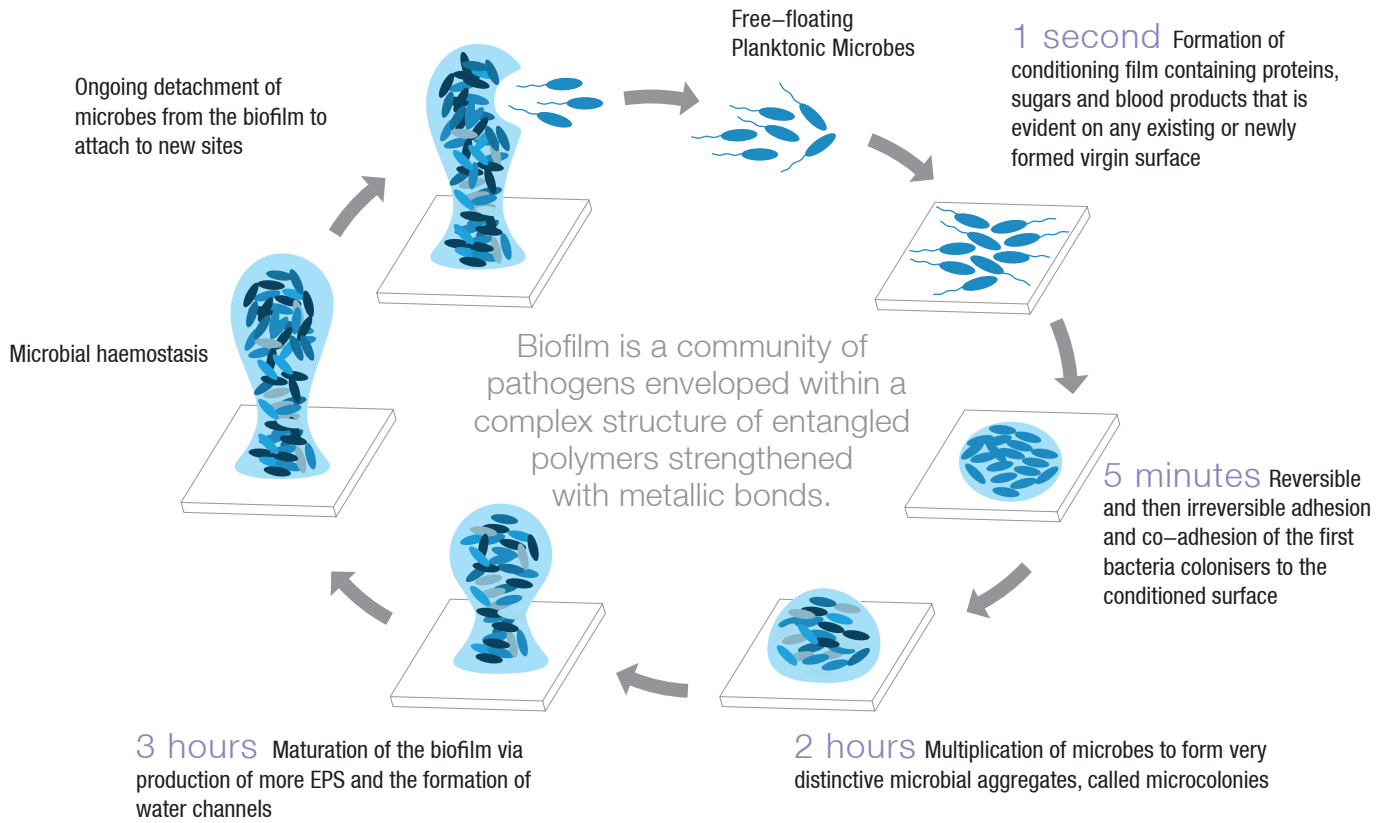
## Proven Safety

The non-toxic formulation\* has been safety tested, showing no irritation.<sup>7</sup>

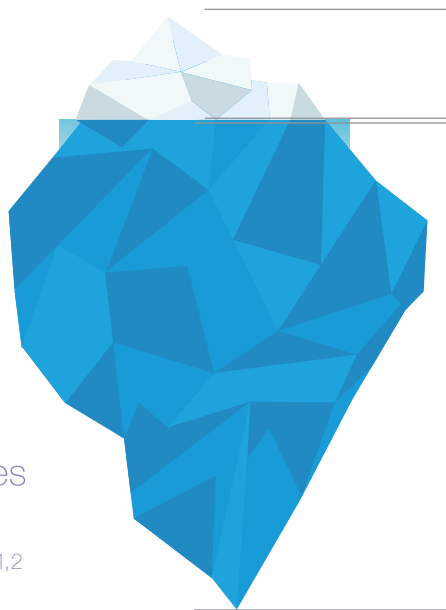


\*When used per the IFU

# What is Biofilm?



Bacteria in biofilms can become up to **1000x** more resistant to antibiotics and biocides when compared to planktonic counterparts.<sup>1,2</sup>



10% of bacteria are planktonic/free-floating

90% of bacteria exist in biofilms

## Ordering Information

### Product

Box of 10

### Part Number

MC-SL-0005-10

**Orders:** [cs@novussurgical.com.au](mailto:cs@novussurgical.com.au)

**INDICATIONS FOR USE:** XPERIENCE Advanced Surgical Irrigation is indicated for use in cleansing and removal of debris, including microorganisms, from wounds.

**CONTAINS:** Sodium Lauryl Sulfate, Citric Acid, Sodium Citrate, and Water.

### WARNINGS/PRECAUTIONS:

- NOT FOR IV USE –This product has been tested as a wound wash only. DO NOT inject.
- External use only.
- The product is single-use and should be applied only once in a 24-hour period.
- Discard any unused solution.
- Do not use if there is a history of allergy to any of the ingredients.
- Avoid eye contact; product may cause ocular irritation.
- Do not use if container is damaged.
- Potential for temporary burning or discomfort may occur.
- Do not use with fibrin sealants due to the risk of material degradation. Application of fibrin sealants in the presence of XPERIENCE Advanced Surgical Irrigation may impact sealant setup.
- Acceptable for use with coated hydroxyapatite (HA) implants. Do not use with solid hydroxyapatite due to the risk of accelerated material degradation.
- If product contacts unintended anatomy or materials, rinse away solution after irrigation.
- The Stryker StrykeFlow II laparoscopic irrigator does not provide adequate pressure to remove debris when used with XPERIENCE Advanced Surgical Irrigation.
- Do not use in the case of substantial tissue loss.

**Always read the label and follow the instructions for use**

**This medical device must be administered by a healthcare professional**

**XPERIENCE**<sup>®</sup>  
Advanced Surgical Irrigation

**NEXT SCIENCE**<sup>®</sup>

POWERED BY **XBIO**<sup>®</sup> TECHNOLOGY

BLASTX<sup>®</sup> // SURGX<sup>®</sup> // XPERIENCE<sup>™</sup> // Bactisure<sup>™</sup>

### References

1. Gupta K, Margues C, Petrova OE, Sauer K. Antimicrobial tolerance of *Pseudomonas aeruginosa* biofilms is activated during an early developmental stage and requires the two component hybrid sagS. *Journal of Bacteriology*. 2013;195(21):4975–4987.
2. Leid JG, Willson CJ, Shirliff ME, et al. The exopolysaccharide alginate protects *Pseudomonas aeruginosa* biofilm bacteria from IFN- $\gamma$ -mediated macrophage killing. *J Immunol*. 2005;175(11):7512–7518.
3. Williams, D. L. (2019, November 6). Targeting biofilms in translational research, device development, and industrial sectors. Google Books. Retrieved February 28, 2022, from <https://books.google.com/books?id=M8-8DwAAQBAJ>
4. Data on file: TR-04-21-008, TR-04-21-009
5. Data on file: TR-06-19-012, TR-12-19-002
6. Data on file: TR-06-19-007
7. Data on file: TR-01-21-003, CD-0040