

## **IrriSept: Log Reduction Study Results**

Chlorhexidine Gluconate (CHG) is a known antimicrobial agent. The efficacy of antimicrobial agents can be assessed using a log reduction study to give an overview of how fast an antimicrobial agent can kill certain bacteria and prevent regrowth.

IrriSept is an FDA cleared Wound Debridement and Cleansing solution containing 0.05% CHG. IrriSept solution was evaluated under laboratory settings and demonstrated antimicrobial effectiveness. IrriSept was challenged with two different microorganisms and the results were studied at 1 minute, 5 minutes, and 24 hours. The test was repeated four times and then averaged.

### **IrriSept Reduction of Microorganisms from Baseline<sup>1</sup>**

(Log Reduction (LR)/Percent Reduction (PR))

| Time         | MRSA          |                      | Pseudomonas aeruginosa |                      |
|--------------|---------------|----------------------|------------------------|----------------------|
|              | Log Reduction | Percentage Reduction | Log Reduction          | Percentage Reduction |
| One minute   | 2.83          | 99.8%                | >6.74                  | >99.9%               |
| Five minutes | 5.70          | 99.9%                | >6.74                  | >99.9%               |
| 24 hours     | 5.81          | > 99.9%              | >6.74                  | >99.9%               |

When each microorganism was exposed to IrriSept, a 99.8% or greater reduction from baseline was achieved at the time frames tested.

#### **IRRIMAX CORPORATION**

IrriSept® is manufactured on behalf of IrriMax Corporation. IrriMax Corporation develops and markets wound irrigation solutions using a patented, innovative delivery method that produces unmatched efficacy and safety. The medical device company's goal is to improve patient outcomes by treating and preventing infections, as well as to increase the safety of healthcare workers. Its flagship product, IrriSept®, is the first and only FDA-cleared wound debridement and cleansing system containing CHG. Continual innovation and ongoing clinical research guide the development of IrriMax products. For more information, visit [www.irrisept.com](http://www.irrisept.com).

<sup>1</sup>Laboratory Testing Records, "Time Kill Study GLP Report", on file at IrriMax Corporation

IrriSept has wound debridement and cleansing claims from the FDA, but does not have antimicrobial claims except for its ability as a preservative in the solution.