

**MICROBIOCIDAL ACTIVITY OF GERMBUSTER STERILRAY UV WAND PRODUCT  
VS. METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS**

**Tested for:** Healthy Environmental Innovations  
PO Box 61  
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**Product:** Germbuster Sterilray UV Wand

**Method:** Percent Bacterial Reduction

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**Project #:** HEI-003                      **Report #:** HEI003-005

**Notebook Reference:** Book 96, Page 2-4

**Test Organism:**

1. *Methicillin Resistant Staphylococcus aureus* (Clinical Isolate) (MRSA)

**Method and Procedure:** Method: Study #HEI-003

**Conclusions:**

The Germbuster Sterilray UV Wand product killed 100% of viable MRSA in 12 seconds of exposure to 50 mj/cm of UV exposure.

**Results:**

**Table I**

**Percent Bacterial Reduction of  
Gerbuster Sterilray UV Wand  
vs. Methicillin Resistant *Staphylococcus aureus***

<b>** Exposure Time (Sec)</b>	<b>Test Organisms</b>	<b>Time 0 Count/ml</b>	<b>UV Intensity mj/cm<sup>2</sup></b>	<b>CFU/ml After Exposure</b>	<b>% Reduction</b>
12	MRSA	2.2x10 <sup>6</sup>	50/cm <sup>2</sup>	0	100

1-0327  
Date

  
James J. Barbato, M.S., M.P.H.  
President

**\*\*HEI conducted this test with a special low-power Sterilray™ lamp in order to control the amount of exposure. The lamp is 1/30 the power that will be used in the sanitation wand. This would result in an exposure of less than 0.4 seconds.**