

**MICROBIOCIDAL ACTIVITY OF GERMBUSTER STERILRAY UV WAND PRODUCT
VS. METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS MIXED WITH
RABBIT SERUM AS AN ARTIFICIAL SOIL**

Tested for: Healthy Environmental Innovations
PO Box 61
152 Brackett Road
New Durham, NH 03855

Product: Germbuster Sterilray UV Wand

Method: Percent Bacterial Reduction

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Project #: HEI-004

Report #: HEI004-006

Notebook Reference: Book 96, Page 81-83

Test Organism:

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

Method and Procedure: Method: Study #HEI-004

Conclusions:

The Germbuster Sterilray UV Wand product killed >99.99% of viable MRSA mixed with 1% rabbit serum in 20 seconds of exposure to 82.4 mj/cm of UV exposure.

Results:**Table I**

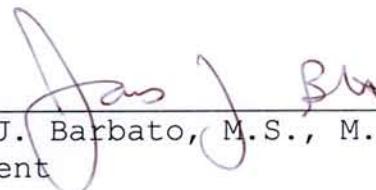
**Percent Bacterial Reduction of
Gerbbuster Sterilray UV Wand
vs. *Methicillin Resistant Staphylococcus aureus*
Mixed With 1% Rabbit Serum**

** Exposure Time (Sec)	Test Organisms	Time 0 Count/ml	UV Intensity mj/cm²	CFU/ml After Exposure	% Reduction
*20	MRSA	2.04x10 ⁷	*82.4/cm ²	1.0x10 ⁰	>99.99

*Exposed to 40.5 mj, mixed and exposed to another 41.9 mj.

1-1507

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 0.67 seconds.**