

**MICROBIOCIDAL ACTIVITY OF GERMBUSTER STERILRAY UV WAND PRODUCT
VS. ACINETOBACTER BAUMANNII ATCC 19606**

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-001 **Report #:** HEI001-001

Notebook Reference: Book 95, Page 90-91

Test Organisms:

1. *Acinetobacter baumannii* ATCC #19606

Method and Procedure: Method: Study #HEI-001

Conclusions:

1. The Germbuster Sterilray UV Wand product killed 3.25×10^4 viable *Acinetobacter baumannii* in <5 seconds of exposure to 20 mj of UV exposure.
2. The Germbuster Sterilray UV Wand product killed 4.8×10^6 viable *Acinetobacter baumannii* in <5 seconds of exposure to 60 mj of VU exposure.

Results:

Table I

Percent Bacterial Reduction of
Gerbbuster Sterilray UV Wand
vs. *Acinetobacter baumannii*

Test Organisms	Time 0 Count/ml	UV Intensity 20 mJ	CFU/ml After Exposure	% Reduction
<i>A. baumannii</i>	3.25×10^4	** <5 sec	0	100%

Table II

Percent Bacterial Reduction of
Gerbbuster Sterilray UV Wand
vs. *Acinetobacter baumannii*

Test Organisms	Time 0 Count/ml	UV Intensity 60 mJ	CFU/ml After Exposure	% Reduction
<i>A. baumannii</i>	4.8×10^6	** <5 sec	0	100%

12-18-06

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 0.16 seconds.