

Analysis: Equipment Bactericidal Rate Analysis
Client: Enputech USA
 120 Sylvan Avenue, Suite 301, Englewood Cliffs, NJ 07632
Contact: Mike Um
Equipment: Purelight

Date Analyzed: 10/11/2006

Date Reported: 10/31/2006

Reviewed by: WT

Authorized by: Wei-Chih Tang, Ph.D., Lab Director

Test Microorganisms	Bactericidal Rate
<i>Staphylococcus aureus</i> (ATCC 25923)	>99.999%
<i>Escherichia coli</i> (ATCC 25922)	>99.999%
<i>Pseudomonas aeruginosa</i> (ATCC 10145)	>99.999%
<i>Klebsiella pneumoniae</i> (ATCC 31488)	>99.942%
<i>Shigella flexneri</i> (ATCC 9199)	>99.999%
<i>Salmonella enterica</i> (ATCC 13314)	>99.971%

Exposure: 10 seconds at 10 cm

Inoculum: <i>Staphylococcus aureus</i> (ATCC 25923)	1.4 x 10 ⁶ CFU
<i>Escherichia coli</i> (ATCC 25922)	4.3 x 10 ⁵ CFU
<i>Pseudomonas aeruginosa</i> (ATCC 10145)	4.1 x 10 ⁵ CFU
<i>Klebsiella pneumoniae</i> (ATCC 31488)	7.3 x 10 ⁵ CFU
<i>Shigella flexneri</i> (ATCC 9199)	5.8 x 10 ⁵ CFU
<i>Salmonella enterica</i> (ATCC 13314)	4.7 x 10 ⁵ CFU

Method: The test microorganisms were cultured on Tryptic Soy Agar (TSA, Difco) for 24 hours at 35°C. They were then suspended and diluted in distilled water with 0.05% Tween 80 solution. Microorganisms in the amount specified above were inoculated onto TSA plates and exposed to UV light generated by the test equipment at the duration and distance specified above. Colonies formed by survived organisms were counted after 24 hours of incubation at 35°C.

*** This report applies only to the test equipment submitted to the laboratory and is not indicative of the qualities of all identical or similar products manufactured by the client.