

NOVA

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Requisition No.: M7532
Date Reported: 08-15-00

Laboratory Report Bacteriocidal Tests

Product Tested: 108mg/Hr Ozone Generation Unit

Test Matrix: Constantly stirred tap water sample contaminated with 10^5 to 10^6 test organisms per milliliter.

Test Organisms: Escherichia coli ATCC 8739 (ESC);
Pseudomonas aeruginosa ATCC 9027 (PSA);
Staphylococcus aureus ATCC 6538 (SAU)

Test Results:

Time (minutes)*	ESC cfu/ml**	PSA cfu/ml**	SAU cfu/ml**
0	0.96×10^6	0.79×10^6	0.80×10^6
1	0.91×10^6	0.75×10^6	0.82×10^6
2	0.90×10^6	0.77×10^6	0.80×10^6
5	0.46×10^6	0.39×10^6	0.64×10^6
10	2×10^2	96	3×10^2
15	<1 (No Growth)	<1 (No Growth)	<1 (No Growth)
20	<1 (No Growth)	<1 (No Growth)	<1 (No Growth)

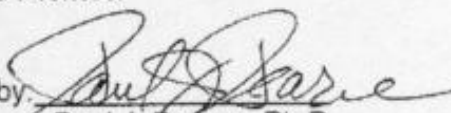
* time of exposure to generated ozone

** colony forming units of test organism per milliliter of tap water (test matrix)

Test Results Interpretation: Under the conditions described, the ozone generated after 15 minutes is 100% bacteriocidal.

Reference: - U.S. Pharmacopeia/National Formulary XXII/XVII. <81>. 1488-1493.1990.

Approved by


Paul J. Pearce Ph.D.