



Time Kill Study for PRO~TEX™ Sport

This study is designed to examine the rate of kill of a test substance after inoculation with a test organism. Results are expressed in percent reduction and log reduction of the test organism. Exposure time = 15 seconds.

ORGANISM	TEST POPULATION CONTROL (CFU/ml)	NUMBER OF SURVIVORS	% REDUCTION	LOG REDUCTION
Campylobacter jejuni <i>ATCC 29428</i>	1.02 X 10 ⁷	< 1.0 X 10 ²	> 99.999	> 5.00 Log ¹⁰
Candida albicans <i>ATCC 10231</i>	1.60 X 10 ⁵	6.0 X 10 ³	96.3	1.42 Log ¹⁰
Clostridium difficile <i>ATCC 9689</i>	3.40 X 10 ⁶	< 2.0	> 99.9999	> 6.20 Log ¹⁰
Enterococcus faecalis (VRE) <i>ATCC 51575 (Vancomycin Resistant)</i>	1.12 X 10 ⁶	3.2 X 10 ¹	99.99	4.54 Log ¹⁰
Escherichia coli <i>ATCC 11229</i>	3.80 X 10 ⁶	4.0	99.999	6.00 Log ¹⁰
Escherichia coli 0157:H7 <i>ATCC 35150</i>	1.26 X 10 ⁶	< 2.0	> 99.999	> 5.80 Log ¹⁰
Klebsiella pneumoniae <i>ATCC 4352</i>	1.10 X 10 ⁶	2.0	99.999	5.70 Log ¹⁰
Listeria monocytogenes <i>ATCC 19117</i>	4.70 X 10 ⁶	1.9 X 10 ³	99.9	3.39 Log ¹⁰
Pseudomonas aeruginosa <i>ATCC 15442</i>	3.50 X 10 ⁶	< 2.0	99.9999	> 6.20 Log ¹⁰
Salmonella choleraesuis serotype enteritidis <i>ATCC 4931</i>	6.80 X 10 ⁵	2.0	> 99.999	> 5.50 Log ¹⁰
Salmonella choleraesuis serotype paratyphi <i>ATCC 8759</i>	5.60 X 10 ⁵	< 2.0	> 99.999	> 5.50 Log ¹⁰
Salmonella choleraesuis serotype pullorum <i>ATCC 19945</i>	8.90 X 10 ⁵	< 2.0	> 99.999	> 5.70 Log ¹⁰
Salmonella choleraesuis serotype typhimurium <i>ATCC 23564</i>	7.70 X 10 ⁵	6.0	> 99.999	> 5.10 Log ¹⁰
Salmonella typhi <i>ATCC 6539</i>	1.27 X 10 ⁶	2.0	99.999	> 5.80 Log ¹⁰
Shigella dysenteriae <i>ATCC 13313</i>	1.30 X 10 ⁶	< 2.0	> 99.999	5.80 Log ¹⁰
Shigella flexneri <i>ATCC 12022</i>	1.39 X 10 ⁶	2.8 X 10 ¹	99.99	4.69 Log ¹⁰
Shigella sonnei <i>ATCC 25931</i>	2.43 X 10 ⁷	< 2.0 X 10 ¹	99.9999	6.09 Log ¹⁰
Staphylococcus aureus <i>ATCC 6538</i>	6.70 X 10 ⁶	< 2.0	> 99.9999	> 6.53 Log ¹⁰
Staphylococcus aureus (MRSA) <i>ATCC 33592 (Methicillin Resistant)</i>	1.23 X 10 ⁷	< 3.8 X 10 ³	> 99.9	3.51 Log ¹⁰
Staphylococcus epidermidis <i>ATCC 12228</i>	7.20 X 10 ⁵	< 2.0	99.999	5.56 Log ¹⁰
Streptococcus pneumonia <i>ATCC 6305</i>	6.40 X 10 ⁵	< 2.0	> 99.999	> 5.51 Log ¹⁰
Streptococcus pyogenes <i>ATCC 19615</i>	1.77 X 10 ⁶	< 2.0	> 99.999	> 5.90 Log ¹⁰
Vibrio cholera <i>ATCC 11623</i>	4.70 X 10 ⁵	< 2.0	> 99.999	> 5.40 Log ¹⁰
Xanthomonas axonopodis <i>ATCC 49118 (Citrus Canker)</i>	1.28 X 10 ⁶	3.6 X 10 ¹	> 99.99	4.55 Log ¹⁰
Yersinia enterocolitica <i>ATCC 23715</i>	2.23 X 10 ⁶	3.8 X 10 ¹	99.99	4.77 Log ¹⁰