

BIOSCIENCE LABORATORIES, INC. (COMPANY) 300 N. Wilson Avenue Bozeman, Montana 59715 (406) 587-5735

Test Product #1: **TC Instant Hand Sanitizer** (Bactisan) Lot
BE06/33/LAB0031 99% (v/v) concentration

No.	Challenge Microorganism (ATCC Number)	Initial Population (CFU/mL)	Exposure Times	Post-Exposure Population (CFU/mL)	Log ₁₀ Reduction	Percent Reduction
1	<i>Aspergillus niger</i> (ATCC#9642)	4.00×10 ⁸	15 seconds	4.40×10 ⁷	0.9586	89.0000%
			30 seconds	4.60×10 ⁶	1.9393	98.8500%
2	<i>Candida albicans</i> (ATCC#10231)	1.5750×10 ⁹	15 seconds	<1.00×10 ³	6.1973	99.9999%
			30 seconds	<1.00×10 ³	6.1973	99.9999%
3	<i>Clostridium difficile</i> * (ATCC#9689)	3.450×10 ⁸	15 seconds	<1.00×10 ⁵	3.5378	99.9710%
			30 seconds	<1.00×10 ⁵	3.5378	99.9710%
4	<i>Enterococcus faecalis</i> MDR;VRE (ATCC#51575)	1.5750×10 ⁹	15 seconds	<1.00×10 ³	6.1973	99.9999%
			30 seconds	<1.00×10 ³	6.1973	99.9999%
5	<i>Escherichia coli</i> (ATCC#11229)	7.050×10 ⁸	15 seconds	<1.00×10 ³	5.8482	99.9999%
			30 seconds	<1.00×10 ³	5.8482	99.9999%
6	<i>Klebsiella pneumoniae pneumoniae</i> (ATCC#29019)	8.050×10 ⁸	15 seconds	<1.00×10 ³	5.9058	99.9999%
			30 seconds	<1.00×10 ³	5.9058	99.9999%
7	<i>Listeria monocytogenes</i> (ATCC#7644)	2.4050×10 ¹⁰	15 seconds	<1.00×10 ³	7.3811	99.9999%
			30 seconds	<1.00×10 ³	7.3811	99.9999%
8	<i>Pseudomonas aeruginosa</i> (ATCC#15442)	1.510×10 ⁹	15 seconds	<1.00×10 ³	6.1790	99.9999%
			30 seconds	<1.00×10 ³	6.1790	99.9999%

No.	Challenge Microorganism (ATCC Number)	Initial Population (CFU/mL)	Exposure Times	Post-Exposure Population (CFU/mL)	Log ₁₀ Reduction	Percent Reduction
9	<i>Salmonella enterica enterica</i> serovar Typhi (ATCC#6539)	1.360×10 ⁹	15 seconds	<1.00×10 ³	6.1335	99.9999%
			30 seconds	<1.00×10 ³	6.1335	99.9999%
10	<i>Serratia marcescens</i> (ATCC#14756)	1.310×10 ⁹	15 seconds	<1.00×10 ³	6.1173	99.9999%
			30 seconds	<1.00×10 ³	6.1173	99.9999%
11	<i>Staphylococcus aureus aureus</i> (ATCC#6538)	1.6250×10 ⁹	15 seconds	<1.00×10 ³	6.2109	99.9999%
			30 seconds	<1.00×10 ³	6.2109	99.9999%
12	<i>Staphylococcus aureus aureus</i> MRSA (ATCC#33592)	2.330×10 ⁹	15 seconds	<1.00×10 ³	6.3674	99.9999%
			30 seconds	1.50×10 ³	6.1913	99.9999%
13	<i>Trichophyton mentagrophytes</i> (ATCC#9533)	9.150×10 ⁷	15 seconds	<1.00×10 ³	4.9614	99.9989%
			30 seconds	<1.00×10 ³	4.9614	99.9989%