



Multi-Surface Disinfectant & Cleaner

Efficacy Data

Bactericidal Results

Test Microorganisms	Organic Soil Load	Exposure Time	Results	
			Numbers of carriers showing growth	Carrier Population Control Results (CFU/carrier)
<i>Pseudomonas aeruginosa</i> ATCC 15422	5% fetal bovine serum	1 min	0/60	3.4 x 10 ⁶
		2 min	0/60 0/60	4.1 x 10 ⁶
<i>Salmonella enterica</i> ATCC 10708	5% fetal bovine serum	1 min	0/60 0/60 0/60	1.8 x 10 ⁴
<i>Staphylococcus aureus</i> ATCC 6538	5% fetal bovine serum	2 min	0/60	1.55 x 10 ⁶
			0/60 0/60	3.21 x 10 ⁶
<i>Escherichia coli</i> ATCC 11229	5% fetal bovine serum	2 min	0/10 0/10	9.1 x 10 ⁴
<i>Escherichia coli</i> 0157:H7 ATCC 35150	5% fetal bovine serum	2 min	0/10 0/10	4.0 x 10 ⁵
<i>Methicillin-Resistant Staphylococcus aureus</i> MRSA ATCC 33592	5% fetal bovine serum	2 min	0/10 0/10	1.76 x 10 ⁶
<i>Vancomycin-Resistant Enterococcus faecalis</i> VRE ATCC 51575	5% fetal bovine serum	2 min	0/10 0/10	1.20 x 10 ⁵
<i>Listeria monocytogenes</i> ATCC 18117	5% fetal bovine serum	2 min	0/10 0/10	1.02 x 10 ⁵
<i>Klebsiella pneumonia</i> – NDM-1 positive CDC 1000527	5% fetal bovine serum	2 min	0/10 0/10	1.66 x 10 ⁵
<i>Streptococcus suis</i> ATCC 43765	5% fetal bovine serum	2 min	0/10 0/10	3.24 x 10 ⁵



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Fungicidal Results

Test Microorganisms	Organic Soil Load	Exposure Time	Results	
			Numbers of carriers showing growth	Carrier Population Control Results (CFU/carrier)
<i>Trichohyton mentagophytes</i> ATCC 9533	5% fetal bovine serum	3 min	0/10 ² 0/10 ² 0/10 ²	9.77 x 10 ⁴
<i>Candida albicans</i> ATCC 10231	5% fetal bovine serum	3 min	0/10 ² 0/10 ²	1.15 x 10 ⁶

Virucide Results

Test Microorganisms	Soil Load	Exposure Time	Results - Reduction in viral titer
Swine Influenza A H1N1 ATCC VR333, Strain A/Swine/Iowa/15/30	5% fetal bovine serum	1 min	≥5.75 log ₁₀
Human immunodeficiency Virus type 1 Strain HTLV-III _B	5% fetal bovine serum	1 min	≥3.75 log ₁₀
Human Coronavirus, ATCC VR-740, Strain 229E	5% fetal bovine serum	1 min	≥3.25 log ₁₀

Sanitizer Results

Test Microorganisms	Soil Load	Exposure Time	Results	
			Percent reduction	Carrier Population Control Results (CFU/carrier)
<i>Staphylococcus aureus</i> ATCC 6538	5% fetal bovine serum	30 seconds	>99.999%	2.29 x 10 ⁶
<i>Enterobacter aerogenes</i> ATCC 13048	5% fetal bovine serum	30 seconds	>99.999%	1.17 x 10 ⁷