



EFFICACY AGAINST MICROBIAL PATHOGENS

Organism	Classification	Log Reduction	Lab
Bacillus atrophaeus¹	Bacterial Spore	>8.3	1
Geobacillus stearothermophilus	Bacterial Spore	>6.3	3/6
Bacillus subtilis	Bacterial Spore	>6.0	1
Clostridium difficile spores³	Bacterial Spore	>6.0	3/6
Escherichia coli	Gram Negative	>7.4	2
Pseudomonas aeruginosa³	Gram Negative	>6.0	5/6
Serratia marcescens	Gram Negative	>6.0	3
Salmonella enterica³	Gram Negative	>5.5	7
Staphylococcus aureus³	Gram Positive	>7.4	2/6
Methicillin-resistant Staphylococcus aureus (MRSA)³	Gram Positive	>5.9	6
Bacillus atrophaeus vegetative cells	Gram Positive	>9.0	1
Aspergillus Niger	Mold	>8.0	4
Aspergillus species	Mold	>7.0	2
Cladosporium species	Mold	>7.0	2
Pencillium species	Mold	>7.0	2
Stachybotrys chartarum	Mold	>7.0	4
Trichophyton mentagrophytes	Mold	>6.0	4
Human rhinovirus 16²	Virus	>6.8	3
Influenza A (H1N1)³	Virus	>10	6
Norovirus³	Virus	>6.4	7
Adenovirus	Virus	>5.8	7

EPA Accepted GLP Studies
Internationally Accepted GLP Studies

Notes

¹Bacillus astrophaues is a surrogate for Bacillus anthracis (Anthrax)

²Human Influenza virus (Flu) surrogate

³EPA Registered

Testing Labs

1. University of South Florida Center for Biological Defense
2. Microbial Insights
3. L-3 Communications
4. Microbiotest
5. Beckman Coulter
6. Accuratus Labs (formerly ATS) EPA Testing Lab
7. Microchem