

iHP® Efficacy on Biological Organisms

General Efficacy Testing on Biological Organisms

SURFACE CONDITIONS	ORGANISM	LOG REDUCTION	COMMENTS (Exposure Duration)	TESTING LAB
Hydrophobic Microbial Filter Material	Bacillus Atrophaeus Spores	>8.3	Dry Spore (60 sec)	1
Ceramic Tile	Bacillus Atrophaeus Spores	>7.4	Dry Spore (45 sec)	1
Hydrophobic Microbial Filter Material	Bacillus Atrophaeus Vegetative Cells	>9.0	Gram Positive (60 sec)	1
Ceramic Tile	Escherichia Coli Cells	>7.4	Gram Negative (30 sec)	2
Ceramic Tile	Staphylococcus Aureus Cells	>7.4	Gram Positive (45 sec)	2
Ceramic Tile	Stachybotrys Chartarum Spores	>6.9	Gram Positive (5 sec)	2
Ceramic Tile	Pseudomonas Aeruginosa Cells	>8.4	Water borne (45 sec)	2
Ceramic Tile	Virus Bacteriophage P22 HT 105	>5.6	Virus (60 sec)	2
Hydrophobic Microbial Filter Material	Serratia Marcescens	>6.0	Hand Cleaning Standard (15 sec)	3
Stainless Steel	Bacillus Stearothermophilus Spores	>6.26	H2O2 Resistant Spore (60 sec)	3
Glass	Aspergillus Niger	>8.0	(30 sec) EPA DIS/TSS	3
Glass	Stachybotrys Chartarum	>7.0	(30 sec) EPA DIS/TSS	4
Glass	Trichophyton Mentagrophytes	>6.0	(30 sec) EPA DIS/TSS	4
Glass	P. Aeruginosa	>4.0	(30 sec) EPA DIS/TSS	4
Glass	S. Aureus	>5.0	(30 sec) EPA DIS/TSS	4
Glass	S. Choleraesius	>4.0	(30 sec) EPA DIS/TSS	4
Glass	Escherichia Coli	>4.0	(30 sec) EPA DIS/TSS	4
Stainless Steel	Bacillus Subtilis	>6.0	Sterility Indicator (<30 sec)	1
Stainless Steel	Bacillus	>6.0	H2O2 Resistant (<30 sec)	1
Stainless Steel	Pseudomonas	>6.0	Indicator For Aqueous Contamination (<30 sec)	5
Filter Paper	Serratia Marcescens	>6.0	Indicator for Hand Contamination (<30 sec)	3
Glass	Aspergillus Expansum	>7.0	(15 sec)	2
Glass	Aspergillus Parasiticus	>7.0	(15 sec)	2
Glass	Aspergillus Restrictus	>7.0	(15 sec)	2
Glass	Aspergillus Sydowii Cladosporium Cladosporiodes Type 1	>7.0	(15 sec)	2
Glass	Cladosporium Cladosporiodes	>7.0	(15 sec)	2
Glass	Cladosporium Sphaerospermen	>7.0	(15 sec)	2
Glass	Penicillium Atramentosum	>7.0	(15 sec)	2
Glass	Penicillium Chrysogenum	>7.0	(15 sec)	2
Glass	Penicillium Citrinum	>7.0	(15 sec)	2
Glass	Stachybotrys Chartarum	>7.0	(15 sec)	2

Testing Labs

1. University of South Florida Center for Biological Defense
2. Microbial Insights
3. L-3 Communications
4. Microbiotest
5. Beckman Coulter



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