

Air Disinfection Biosecurity vs. *Geobacillus stearothermophilus*

SURFACE TESTS

On PLASTIC

96.8% Log Reduction in 30 minutes, and **non-detectable** in two hours

Time (hours)	CFU	Log	SD	Reduction
0	55,450,000	7.74	0.2	-
0.5	175,300	5.24	0.2	2.50
1	1,650	3.22	0.3	4.52
2	0	0	0.0	7.74
4	0	0	0.0	7.74
6	0	0	0.0	7.74

On STAINLESS STEEL

96.8% Log Reduction in 30 minutes, and **non-detectable** in two hours

Time (hours)	CFU	Log	SD	Reduction
0	55,450,000	7.74	0.2	-
0.5	175,000	5.24	0.2	2.50
1	1,240	3.09	0.3	4.65
2	0	0	0.0	7.74
4	0	0	0.0	7.74
6	0	0	0.0	7.74

On FLOOR TILE

96.8% Log Reduction in 30 minutes, and **non-detectable** in two hours

Time (hours)	CFU	Log	SD	Reduction
0	55,450,000	7.74	0.2	-
0.5	176,000	5.25	0.2	2.49
1	1,560	3.19	0.3	4.55
2	0	0	0.0	7.74
4	0	0	0.0	7.74
6	0	0	0.0	7.74

AIRBORNE TESTS

Aerosolized

99.998% Log Reduction in five minutes, and **non-detectable** in under 30 minutes

Time (minutes)	CFU	Log	SD	Reduction
0	75,500,000	7.88	0.2	-
1	9,000,000	6.95	0.2	0.92
2	480,000	5.68	0.3	2.20
3	55,000	4.74	0.1	3.14
4	4,000	3.60	0.2	4.28
5	900	2.95	0.1	4.92
30	0	0	0.1	7.88

Note: The implementation of ADB is not intended to take the place of reasonable pathogen transmission safety precautions. Please understand and comply with local, state, and federal guidelines and public health laws, and be aware of official guidance published by the Centers for Disease Control and Prevention (CDC), including but not limited to social distancing, hand hygiene, cough etiquette, and the use of face masks.

