

Air Disinfection Biosecurity vs. Human coronavirus (HCoV-NL63)

SURFACE TESTS

On PLASTIC

99.98% Log Reduction in 15 minutes, and **non-detectable** in 30 minutes

Time (hours)	CFU	Log	SD	Reduction
0	50,000,000	7.70	0.4	-
0.25	850	2.93	0.2	4.77
0.5	0	0	0.0	7.70
1	0	0	0.0	7.70
2	0	0	0.0	7.70
4	0	0	0.0	7.70

On STAINLESS STEEL

99.98% Log Reduction in 15 minutes, and **non-detectable** in 30 minutes

Time (hours)	CFU	Log	SD	Reduction
0	50,000,000	7.70	0.3	-
0.25	650	3.03	0.3	4.67
0.5	0	0	0.0	7.70
1	0	0	0.0	7.70
2	0	0	0.0	7.70
4	0	0	0.0	7.70

On FLOOR TILE

99.98% Log Reduction in 15 minutes, and **non-detectable** in 30 minutes

Time (hours)	CFU	Log	SD	Reduction
0	50,000,000	7.70	0.2	-
0.25	700	2.85	0.3	4.85
0.5	0	0	0.0	7.70
1	0	0	0.0	7.70
2	0	0	0.0	7.70
4	0	0	0.0	7.70

AIRBORNE TESTS

With tested levels **CONSIDERABLY HIGHER** than found in nature

99.99% Log Reduction **in 3 minutes**

Time (minutes)	CFU	Log	SD	Reduction
0	10,500	4.02	0.3	-
1	3,715	3.57	0.2	3.57
2	550	2.74	0.2	3.65
3	0	0	0.0	4.02
4	0	0	0.0	4.02
5	0	0	0.0	4.02

With tested levels **SLIGHTLY HIGHER** than found in nature

Non-detectable **in 15 seconds**

Time (minutes)	CFU	Log	SD	Reduction
0	500	2.7	0.3	-
0.25	0	0	0.0	2.7
0.5	0	0	0.0	2.7
1	0	0	0.0	2.7
2	0	0	0.0	2.7
3	0	0	0.0	2.7

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.

