










TYPE	NAME	REDUCTION	TIME	SPACE	MODEL
VIRUSES 	SARS-CoV-2	99.997%	30 min	1,280 ft ³	Defend 1050
	MS2 Bacteriophage Virus ¹	99.99%	15 min	562 ft ³	Defend 1050
	Measles ²	99.87%	20-30 min	1,006 ft ³	Defend 1050
	Influenza A	99.9%	10-20 min	1,006 ft ³	Defend 1050
	Phi X 174	98.8%	30 min	2,119 ft ³	Defend 1050
	MS2 Bacteriophage Virus ¹	99.9995%	45 min	562 ft ³	Defend 400
	MS2 Bacteriophage Virus ¹	99.99%	5 hours	563 ft ³	Protect 900
	MS2 Bacteriophage Virus ¹	99.991%	3 hours	35 ft ³	Protect 200
	Influenza H1N1	51.8%	44 sec	18 ft ³	Protect 200
BACTERIA 	Bacillus Globigii endospores	99.999%	30 min	563 ft ³	Defend 1050
	Tuberculosis ³	97%	25-30 min	1,059 ft ³	Defend 1050
	MRSA ⁴	99.94%	15 min	1,059 ft ³	Defend 1050
	Clostridium difficile spores	99.9%	35-40 min	1,006 ft ³	Defend 1050
	Staphylococcus epidermidis	99.9%	60 min	2,119 ft ³	Defend 1050
	MRSA ⁴	99.99%	45 min	1,059 ft ³	Defend 400
	Bacillus Globigii endospores	99.9969%	45 min	562 ft ³	Defend 400
	MRSA	99.99%	4 hours	35 ft ³	Protect 900
	MRSA ⁴	95%	30 min	35 ft ³	Protect 900
	Bacillus subtilis	86.63%	6 hours	563 ft ³	Protect 900
Escherichia coli	71.80%	5 min ⁵	18 ft ³	Protect 200	
MOLD SPORES 	Aspergillus niger	99.99%	30 min	562 ft ³	Defend 1050
	Aspergillus niger	99.10%	4 hours	563 ft ³	Protect 900
VOCs 	Nitrogen Dioxide	99.49%	7.2 min	562 ft ³	Defend 1050
	Formaldehyde	99.68%	1.1 min	562 ft ³	Defend 1050
	Toluene	99%	9.1 min	696 ft ³	Defend 1050
	Formaldehyde	85%	14 hours	35 ft ³	Protect 900
PARTICULATE 	PM 1	99%	6.33 min	696 ft ³	Defend 1050
	PM 2.5	99%	6.26 min	696 ft ³	Defend 1050
	PM 1	99.99%	26 min	562 ft ³	Defend 400
	PM 2.5	99.99%	25.9 min	562 ft ³	Defend 400

1. MS2 Bacteriophage Virus is an accepted surrogate for Influenza, Norovirus and SARS-CoV-2.

2. Tested on Human parainfluenza type 3 (HPIV3), a surrogate for Measles.

3. Tested on *Mycobacterium smegmatis*, a surrogate for *Mycobacterium tuberculosis*.

4. Tested on *Staphylococcus epidermidis*, a surrogate for MRSA.

TYPE	NAME	REDUCTION	TIME	MODEL
VIRUSES 	Influenza A (H1N1)	86.6%	1 hr	Model 7000 series
	Influenza A (H1N1)	86.6%	1 hr	Plasma BAR
	MS2 Bacteriophage ¹	99.39%	4 hrs	Plasma Air 600 series
	Live SARS CoV-2	99.99%	90 min	AutoClean 1500/1560
	Omicron Variant, SARS CoV-2	99.945%	90 min	Plasma Air 600 Series
BACTERIA 	Pseudomonas Aeruginosa	99.99%	1 hr	Model 7000 Series
	Pseudomonas Aeruginosa	99.99%	1 hr	Plasma BAR
	Escherichia coli	99.43%	2 hrs	Model 7000 Series
	Escherichia coli	99.43%	2 hrs	Plasma BAR
	Bacillus subtilis var. niger	89.3%	1 hr	Model 7000 Series
	Bacillus subtilis var. niger	89.3%	1 hr	Plasma BAR
	Staphylococcus Aureus	91.5%	1 hr	Model 7000 Series
	Staphylococcus Aureus	91.5%	1 hr	Plasma BAR
	MRSA ²	99.47%	1 hr	Model 7000 Series
MRSA ²	99.47%	1 hr	Plasma BAR	
MOLD SPORES 	Aspergillus Niger	97.14%	2 hrs	Model 7000 Series
	Aspergillus Niger	97.14%	2 hrs	Plasma BAR
	Cladosporium Cladosporioides	36.27%	2 hrs	Model 7000 Series
	Cladosporium Cladosporioides	36.27%	2 hrs	Plasma BAR
	Dichobotrys Abundans	90%	1 hr	Model 7000 Series
	Dichobotrys Abundans	90%	1 hr	Plasma BAR
	Penicillium	95%	1 hr	Model 7000 Series
	Penicillium	95%	1 hr	Plasma BAR
	Candida Albicans	97.69%	2 hrs	Model 7000 Series
	Candida Albicans	97.69%	2 hrs	Plasma BAR
VOCs 	Acetaldehyde, Acrolein, Benzaldehyde, Formaldehyde, Glutaraldehyde, Propionaldehyde, Crotonaldehyde	80%	6 hrs	Plasma Air 600 series

1. MS2 Bacteriophage Virus is an accepted surrogate for Influenza, Norovirus and SARS-CoV-2.

2. Tested on *Staphylococcus epidermidis*, a surrogate for MRSA.