

Efficacy Bulletin

Profect® HP

EPA Reg. 5741-33

Disinfection

This product is bactericidal according to the EPA Test Guideline 810.2200: AOAC Use Dilution Test method on hard inanimate surfaces modified in the presence of 5% organic serum. All tests are completed under Good Laboratory Practice (GLP) conditions.

Organism	Sample	Carriers Showing Growth	Contact Time	Dilution
<i>Pseudomonas aeruginosa</i> (ATCC 15442)	A	0/60	1 minute	RTU
	B	0/60		
	C	0/60		
<i>Staphylococcus aureus</i> (ATCC 6538)	A	0/60	1 minute	RTU
	B	0/60		
	C	0/60		
<i>Salmonella enterica</i> (ATCC 10708)	A	0/10	1 minute	RTU
	B	0/10		
	C	0/10		
<i>Acinetobacter baumannii</i> (ATCC BAA-1709)	A	0/10	1 minute	RTU
	B	0/10		
Carbapenem Resistant <i>Escherichia coli</i> (CDC 81371)	A	0/10	1 minute	RTU
	B	0/10		
<i>Escherichia coli</i> O157:H7 (ATCC 35150)	A	0/10	1 minute	RTU
	B	0/10		
Extended-Spectrum beta-lactamase (ESBL) producing <i>Escherichia coli</i> (ATCC BAA-196)	A	0/10	1 minute	RTU
	B	0/10		
Metallo-beta lactamase (MBL) producing <i>Pseudomonas aeruginosa</i> (CDC 2012059)	A	0/10	1 minute	RTU
	B	0/10		
Methicillin Resistant <i>Staphylococcus aureus</i> - MRSA (ATCC 33592)	A	0/10	1 minute	RTU
	B	0/10		
Multi-drug Resistant (MDR) <i>Enterococcus faecium</i> (ATCC 51559)	A	0/10	1 minute	RTU
	B	0/10		
Multi-drug Resistant (MDR) <i>Klebsiella pneumoniae</i> (ATCC 51503)	A	0/10	1 minute	RTU
	B	0/10		
New Delhi metallo-beta-lactamase 1 (NDM-1) producing <i>Escherichia coli</i> (CDC 1001728)	A	0/10	1 minute	RTU
	B	0/10		

Virucidal Activity

This product is virucidal according to the EPA Test Guideline 810.2200: Virucidal Hard Surface Efficacy Test, in the presence of 5% organic serum. All tests are completed under Good Laboratory Practice (GLP) conditions.

Organism	Sample	Log Reduction	Contact Time	Dilution
Avian Influenza A (H5N1) Virus (CDC #2006719965)	A	≥3.00	1 minute	RTU
	B	≥3.00		
Herpes Simplex Virus Type 1 (ATCC VR-733)	A	≥3.00	1 minute	RTU
	B	≥3.00		
Herpes Simplex Virus Type 2 (ATCC VR-734)	A	≥3.00	1 minute	RTU
	B	≥3.00		
Human Coronavirus (VR-740)	A	≥3.00	1 minute	RTU
	B	≥3.00		
Human Hepatitis B Virus (HBV) (Hepadnavirus Testing, 9/1/15 strain)	A	≥3.00	1 minute	RTU
	B	≥3.00		
Human Hepatitis C Virus (HCV) (ATCC VR-1422)	A	≥3.00	1 minute	RTU
	B	≥3.00		
Human Immunodeficiency Virus type 1 (AIDS Virus) (HTLV-III _B strain)	A	≥3.00	1 minute	RTU
	B	≥3.00		
Human Rotavirus (ATCC VR-2018)	A	≥3.00	1 minute	RTU
	B	≥3.00		
"2009 H1N1 Influenza A Virus (Novel H1N1) (A/Mexico/4108/2009 strain)"	A	≥3.00	1 minute	RTU
	B	≥3.00		
Influenza B Virus (ATCC VR-823)	A	≥3.00	1 minute	RTU
	B	≥3.00		
Norovirus (Feline Calicivirus) (ATCC VR-782)	A	≥3.00	1 minute	RTU
	B	≥3.00		
Respiratory syncytial virus (RSV) (ATCC VR-26)	A	≥3.00	1 minute	RTU
	B	≥3.00		
Rhinovirus type 37 (ATCC VR-1147)	A	≥3.00	1 minute	RTU
	B	≥3.00		
Vaccinia virus (ATCC VR-119)	A	≥3.00	1 minute	RTU
	B	≥3.00		
Severe Acute Respiratory Syndrome-Related Coronavirus 2 (SARS-CoV-2) (USA-WA1/2020 strain)	A	≥3.50	30 seconds	RTU
	B	≥3.50		
	C	≥3.50		

Fungicidal Activity

This product is fungicidal according to the EPA Test Guideline 810.2200: AOAC Use-Dilution method modified for fungicidal activity on hard inanimate surfaces modified in the presence of 5% organic serum. All tests are completed under Good Laboratory Practice (GLP) conditions.

Organism	Sample	Carriers Showing Growth	Contact Time	Dilution
<i>Trichophyton interdigitale</i> (ATCC 9533)	A	0/10	1 minute	RTU
	B	0/10		
<i>Candida albicans</i> (ATCC 10231)	A	0/10	1 minute	RTU
	B	0/10		

Tuberculocidal Activity

This product is tuberculocidal according to the EPA Test Guideline 810.2200: AOAC Confirmative In Vitro Test for Determining Tuberculocidal Activity. All tests are completed under Good Laboratory Practice (GLP) conditions.

Organism	Subculture Media	Sample	Carriers Exposed	Carriers Showing Growth	Contact Time	Dilution
<i>Mycobacterium bovis</i> (ATCC 35743)	Modified Proskauer-Beck Medium	A	10	0	3 minutes	RTU
		B	10	0		
	Middlebrook 7H9 Broth	A	10	0	3 minutes	RTU
		B	10	0		
	Kirchners Medium	A	10	0	3 minutes	RTU
		B	10	0		

Non-Food Contact Soft Surface Sanitization

This product sanitizes soft non-food contact surfaces according to the EPA Test Guideline 810.2400, Disinfectants and Sanitizers for Use on Fabrics and Textiles. All tests are completed under Good Laboratory Practices (GLP) conditions.

Organism	Sample	Carriers Showing Growth	Contact Time	Dilution
<i>Klebsiella aerogenes</i> (ATCC 13048)	A	0/5	1 minute	RTU
	B	0/5		
	C	0/5		
<i>Staphylococcus aureus</i> (ATCC 6538)	A	0/5	1 minute	RTU
	B	0/5		
	C	0/5		
<i>Acinetobacter baumannii</i> (ATCC BAA-1709)	A	0/5	1 minute	RTU
	B	0/5		
Vancomycin Resistant <i>Enterococcus faecalis</i> - VRE (ATCC 51575)	A	0/5	1 minute	RTU
	B	0/5		