

Efficacy Bulletin

Hard Surface Disinfecting Wipes

EPA Reg. No. 1839-190-5741

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 Tested	Carriers Showing Growth
<i>Pseudomonas aeruginosa</i>	A	60	0
	B	60	0
	C	60	1
<i>Staphylococcus aureus</i> (ATCC 6538)	A	60	0
	B	60	0
	C	60	1
<i>Salmonella enterica</i> (ATCC 10708)	A	60	0
	B	60	0
	C	60	0
<i>Enterococcus faecalis</i> Vancomycin Resistant (VRE)	A	10	0
	B	10	0
<i>Escherichia coli</i> O157:H7	A	10	0
	B	10	0
<i>Klebsiella pneumoniae</i> New Dehli Metallo-Beta Lactamase (NDM-1) Carbapenem Resistant	A	10	0
	B	10	0
<i>Staphylococcus aureus</i> Methicillin Resistant (MRSA)	A	10	0
	B	10	0
<i>Staphylococcus aureus</i> Community Associated Methicillin Resistant (CA-MRSA) Genotype USA400	A	10	0
	B	10	0
<i>Staphylococcus aureus</i> Community Associated Methicillin Resistant (CA-MRSA) Genotype USA300	A	10	0
	B	10	0
<i>Staphylococcus aureus</i> Vancomycin Intermediate Resistant (VISA)	A	10	0
	B	10	0
<i>Streptococcus pyogenes</i>	A	10	0
	B	10	0

Virucidal

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
Bovine Viral Diarrhea Virus	A	$\geq 3.69 \text{ Log}_{10}$	5 minutes
	B	$\geq 3.69 \text{ Log}_{10}$	
Duck Hepatitis B Virus	A	$\geq 4.14 \text{ Log}_{10}$	5 minutes
	B	$\geq 4.14 \text{ Log}_{10}$	

Virucidal against (continued)

Organism	Sample	Log Reduction	Contact Time
Hepatitis B Virus	A	≥4.14 Log ₁₀	5 minutes
	B	≥4.14 Log ₁₀	
Hepatitis C Virus	A	≥3.69 Log ₁₀	5 minutes
	B	≥3.69 Log ₁₀	
Herpes Simplex Virus Type 1	A	≥4.99 Log ₁₀	5 minutes
	B	≥4.99 Log ₁₀	
	C	≥4.99 Log ₁₀	
Herpes Simplex Virus Type 2	A	4.76 Log ₁₀	5 minutes
	B	4.76 Log ₁₀	
	C	4.76 Log ₁₀	
Human Coronavirus	A	≥4.75 Log ₁₀	10 minutes
	B	≥3.75 Log ₁₀	
Human Immunodeficiency Virus Type 1 (HIV-1)	A	≥3.22 Log ₁₀	5 minutes
	B	≥3.22 Log ₁₀	
Influenza A2 Japan	A	≥4.83 Log ₁₀	5 minutes
	B	≥4.83 Log ₁₀	
	C	≥4.83 Log ₁₀	

Fungicidal

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 Tested	Carriers Showing Growth
<i>Trichophyton mentagrophytes</i>	A	10	0
	B	10	0
	C	10	0

Non-Food Contact Sanitization

This product sanitizes hard porous and non-porous non-food contact surface according to the EPA Test Guideline 810.2300, Sanitizers for use on hard inanimate surfaces. All tests are completed under Good Laboratory Practice (GLP) conditions.

Organism	Sample	Contact Time	% Kill
<i>Staphylococcus aureus</i>	A	15 Seconds	>99.9%
	B		>99.9%
	C		>99.9%
<i>Klebsiella pneumoniae</i>	A	15 Seconds	>99.9%
	B		>99.9%
	C		>99.9%

Non-Food Contact Sanitization (continued)

Organism	Sample	Contact Time	% Kill
<i>Listeria monocytogenes</i>	A	15 Seconds	>99.9%
	B		>99.9%
	C		>99.9%
<i>Escherichia coli</i> O157:H7	A	15 Seconds	>99.9%
	B		>99.9%
	C		>99.9%
<i>Campylobacter jejuni</i>	A	60 Seconds	>99.9%
	B		>99.9%
	C		>99.9%