

Efficacy Bulletin

Diffense™

EPA Reg. 5741-28

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	Contact Time	Dilution
<i>Staphylococcus aureus</i> (ATCC 6538)	A	60	0	60 seconds	ready to use
	B	60	0		
	C	60	0		
<i>Pseudomonas aeruginosa</i> (ATCC 15442)	A	60	1	60 seconds	ready to use
	B	60	0		
	C	60	0		
<i>Staphylococcus aureus</i> Methicillin Resistant (MRSA) (ATCC 33592)	A	10	0	60 seconds	ready to use
	B	10	0		
<i>Acinetobacter baumannii</i> (ATCC 19606)	A	10	0	30 seconds	ready to use
	B	10	0		
<i>Escherichia coli</i> , extended beta-lactamase resistant (ESBL)	A	10	0	30 seconds	ready to use
	B	10	0		

Sporocidal

This product is sporocidal according to the Quantitative Carrier Test to Determine Sporocidal Efficacy on hard inanimate surfaces modified in the presence of 5% organic serum. Treated surfaces must remain wet for 8 minutes. All tests are completed under Good Laboratory Practice (GLP) conditions.

Organism	Sample	Log Reduction	Contact Time	Dilution
<i>Clostridium difficile</i> , spore form (ATCC 46598)	A	≥6.0 Log10	8 minutes	ready to use
	B	≥6.0 Log10		
	C	≥6.0 Log10		

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	Log Reduction	Contact Time	Dilution
Hepatitis A Virus (Strain HM-175)	$\geq 5.00 \text{ Log}_{10}$	30 seconds	ready to use
Hepatitis B Virus (Hepadnavirus Testing, Inc.)	$\geq 5.38 \text{ Log}_{10}$	30 seconds	ready to use
Hepatitis C Virus (Bovine Viral Diarrhea Virus(BVDV))	$\geq 4.56 \text{ Log}_{10}$	30 seconds	ready to use
Poliovirus Type 1 (ATCC VR-1562)	$\geq 3.00 \text{ Log}_{10}$	30 seconds	ready to use
Norovirus (Feline Calicivirus) (ATCC VR-782)	$\geq 5.93 \text{ Log}_{10}$	30 seconds	ready to use
Rotavirus (Strain WA)	$\geq 3.00 \text{ Log}_{10}$	30 seconds	ready to use
Influenza Type A [(H1N1)] virus (ATCC VR-1469)	$\geq 5.25 \text{ Log}_{10}$	30 seconds	ready to use
HIV Type 1 (HIV-1) (Strain HTLV-III)	$\geq 3.75 \text{ Log}_{10}$	30 seconds	ready to use
SARS-CoV-2 (USA-WA1/2020 strain)	$\geq 4.75 \text{ Log}_{10}$	30 seconds	ready to use