



All our EN and AOAC testing is carried out under Dirty Conditions, Temperature 20 C°, with 1, 5 and 10 - minute contact times.

Microbial Class	Efficacy Test	Contact Time (Mins)	Log Reduction
<b>BACTERIA</b> (gram +/- Gram-)	EN1276	1	>6
	AOAC - Bactericidal	10	>6
<b>VIRUSES</b> (Enveloped /Non enveloped)	EN 14476	5	>4
	AOAC – Virucidal	5	>4
<b>FUNGI</b>	EN 1650	1	>5
	AOAC – Fungicidal	10	>6
<b>BACTERIAL SPORES</b>	EN 13704	60	>3
<b>MYCOBACTERIA</b>	EN 14563:2008	5	>5

\*As our products are persistent we do not need to comply with contact / dwell times.

### DISINFECTION PERFORMANCE

This product kills the following bacteria in 10 minutes on hard, non-porous surfaces

Acinetobacter Iwoffii {{(ATCC 9957)}}	Pseudomonas cepacia {{(ATCC 25416)}}
Acinetobacter baumannii {{(ATCC 19003)}}	Salmonella enterica {{(ATCC 10708)}}
Acinetobacter Iwoffii {{(ATCC 15309)}}	Salmonella enterica {{(ATCC 23564)}}
Bordetella bronchiseptica {{(ATCC 10580)}}	Salmonella enterica serotype pullorum {{(ATCC 19945)}}
Chlamydia psittaci {{(VR-125)}}	Salmonella enteritidis {{(ATCC 4931)}}
Citrobacter freundii {{(ATCC 8090)}}	Salmonella typhi {{(ATCC 6539)}}
Enterobacter aerogenes {{(ATCC 13048)}}	Salmonella typhimurium {{(ATCC 23564)}}
Enterobacter agglomerans {{(ATCC 27155)}}	Serratia marcescens {{(ATCC 14756)}}
Enterobacter cloacae {{(ATCC 13047)}}	Serratia marcescens {{(ATCC 9103)}}
Enterococcus faecalis {{(ATCC 19433)}}	Shigella flexneri {{(ATCC 12022)}}
Enterococcus faecalis {{(Vancomycin Resistant)}} {{(VRE)}} {{(ATCC 51299)}}	Shigella flexneri {{(ATCC 9380)}}
Enterococcus hirae {{(ATCC 10541)}}	Shigella sonnei {{(ATCC 25931)}}
Escherichia coli {{(ATCC 11229)}}	Staphylococcus aureus {{(ATCC 14154)}}
Escherichia coli {{(Carbapenem Resistant)}} {{(CDC 81371)}}	Staphylococcus aureus {{(ATCC 25923)}}
Escherichia coli {{(Extended Spectrum B-Lactamase)}} {{(ESBL)}}{{(ATCC BAA-196)}}	Staphylococcus aureus {{(ATCC 6538)}}



Escherichia coli O111:H8 {(ATCC BAA-184)}	Staphylococcus aureus {(Methicillin Resistant)} {(MRSA)} {(ATCC 33592)}
Fusobacterium necrophorum {(ATCC 27852)}	Staphylococcus aureus {(sub species aureus)} {(ATCC 33586)}
Klebsiella oxytoca {(ATCC 13182)}	Staphylococcus aureus {(Vancomycin Intermediate Resistant)} {(VISA)}{(HIP 5836)}
Klebsiella pneumoniae {(ATCC 13883)}	Staphylococcus epidermidis {(Antibiotic resistant)} {(ATCC 51625)}
Klebsiella pneumoniae {(NDM-1 positive)} {(New Delhi metallo-beta-lactamase)} {(CDC 1000527)}	Staphylococcus epidermidis {(ATCC 14990)}
Listeria monocytogenes {(ATCC 19117)}	Staphylococcus haemolyticus {(ATCC 29970)}
Micrococcus luteus {(ATCC 14452)}	Streptococcus agalactiae {(ATCC 13813)}
Micrococcus luteus {(ATCC 4698)}	Streptococcus mutans {(ATCC 25175)}
Pasturella multocida {(ATCC 12947)}	Streptococcus pneumoniae {(Penicillin Resistant)} {(ATCC 51915)}
Proteus vulgaris {(ATCC 13315)}	Streptococcus pyogenes {(ATCC 19615)}
Proteus vulgaris {(ATCC 9920)}	Vibrio cholera {(ATCC 11623)}
Pseudomonas aeruginosa {(ATCC 15442)}	Yersinia enterocolitica {(ATCC 23715)}
Pseudomonas aeruginosa {(Tetracycline Resistant)} {(ATCC 27853)}	

### VIRUCIDAL PERFORMANCE

**This product kills the following bacteria in 10 minutes on hard, non-porous surfaces**

Avian Influenza A {(H5N1)} Virus	Herpes Simplex Virus Type 2 {(VR-734)}
Avian Influenza A {(H3N2)} Virus {(Avian Reassortant)} {(VR-2072)}	Human Coronavirus {(VR-740)}
Coronavirus {(SARS-associated)}	Human Immunodeficiency Virus Type 1 {(HIV 1)} {(AIDS Virus)}
Cytomegalovirus {(VR-538)}	Influenza A {(H1N1)} Virus {(VR-1469)} {(Strain A/PR/8/34)}
Hantavirus	Influenza A Virus {(H3N2)} {(Hong Kong Strain)} {(VR-544)}
Hepatitis B Virus {(HBV)}	Respiratory Syncytial Virus {(VR-26)}
Hepatitis C Virus {(HCV)}	Vaccinia Virus {(VR-119)}
Herpes Simplex Virus Type 1 {(VR-733)}	