



LEMON DISINFECTANT (PIF# 00501) ORGANISM LIST

E.P.A Reg. No. 10324-154-11712
E.P.A. Est. No. 11712-GA-01

DISINFECTION PERFORMANCE: This product kills the following bacteria in 10 minutes at 2 oz. per gal. of 400 ppm hard water {{(660 ppm active)}} and 5% soil on hard, non-porous surfaces:

Acinetobacter baumannii {{(ATCC 19003)}}
Acinetobacter Iwoffii {{(ATCC 9957)}}
Acinetobacter Iwoffii {{(ATCC 15309)}}
Bordetella bronchiseptica {{(ATCC 10580)}}
Chlamydia psittaci {{(VR-125)}}
Citrobacter freundii {{(ATCC 8090)}}
Enterobacter agglomerans {{(ATCC 27155)}}
Enterobacter aerogenes {{(ATCC 13048)}}
Enterobacter cloacae {{(ATCC 13047)}}
Escherichia coli {{(ATCC 11229)}}
Escherichia coli O157:H7 {{(ATCC 35150)}}
Escherichia coli {{(Carbapenem Resistant)}} {{(CDC 81371)}}
Escherichia coli {{(Extended Spectrum B-Lactamase)}} {{(ESBL)}}
{{(ATCC BAA-196)}}
Escherichia coli {{(Tetracycline Resistant)}} {{(ATCC 47041)}}
Enterococcus faecalis {{(ATCC 19433)}}
Enterococcus faecalis {{(Vancomycin Resistant)}} {{(VRE)}} ATCC
51299}}
Enterococcus hirae {{(ATCC 10541)}}
Fusobacterium necrophorum {{(ATCC 27852)}}
Klebsiella oxytoca {{(ATCC 13182)}}
Klebsiella pneumoniae {{(ATCC 13883)}}
Klebsiella pneumoniae {{(Carbapenem Resistant)}} {{(NDM-1)}}
{{(ATCC BAA-2146)}}
Listeria monocytogenes {{(ATCC 19117)}}
Micrococcus luteus {{(ATCC 14452)}}
Micrococcus luteus {{(ATCC 4698)}}
Pasturella multocida {{(ATCC 12947)}}
Proteus vulgaris {{(ATCC 9920)}}
Proteus vulgaris {{(ATCC 13315)}}
Pseudomonas aeruginosa {{(ATCC 15442)}}
Pseudomonas aeruginosa {{(Tetracycline Resistant)}} {{(ATCC
27853)}}
Pseudomonas cepacia {{(ATCC 25416)}}
Salmonella enterica {{(ATCC 23564)}}
Salmonella enterica {{(ATCC 10708)}}
Salmonella enteritidis {{(ATCC 4931)}}
Salmonella enterica serotype pullorum {{(ATCC 19945)}}
Salmonella typhi {{(ATCC 6539)}}
Salmonella typhimurium {{(ATCC 23564)}}
Serratia marcescens {{(ATCC 9103)}}
Serratia marcescens {{(ATCC 14756)}}
Shigella flexneri {{(ATCC 9380)}}
Shigella flexneri {{(ATCC 12022)}}
Shigella sonnei {{(ATCC 25931)}}
Staphylococcus aureus {{(ATCC 6538)}}
Staphylococcus aureus {{(ATCC 25923)}}
Staphylococcus aureus {{(ATCC 33586)}}
Staphylococcus aureus {{(ATCC 14154)}}
Staphylococcus aureus {{(Community Associated Methicillin
Resistant)}}
{{(CA-MRSA)}} {{(Genotype USA 300)}}
Staphylococcus aureus {{(Community Associated Methicillin
Resistant)}}
{{(CA-MRSA)}} {{(Genotype USA 400)}}
Staphylococcus aureus {{(Methicillin Resistant)}} {{(MRSA)}}
{{(ATCC 33592)}}
Staphylococcus epidermidis {{(ATCC 14990)}}
Staphylococcus epidermidis {{(Ampicillin, Cefazolin, Oxacillin,
Penicillin Resistant)}} {{(ATCC 51625)}}
Streptococcus agalactiae {{(ATCC 13813)}}
Staphylococcus haemolyticus {{(ATCC 29970)}}
Streptococcus pneumoniae {{(Penicillin Resistant)}} {{(ATCC
51915)}}
Streptococcus pyogenes {{(ATCC 19615)}}
Streptococcus mutans {{(ATCC 25175)}}
Staphylococcus aureus {{(Vancomycin Intermediate Resistant)}}
{{(VISA)}}
{{(HIP 5836)}}
Vibrio cholera {{(ATCC 11623)}}
Yersinia enterocolitica {{(ATCC 23715)}}
VIRUCIDAL* PERFORMANCE: This product kills the following
viruses in 10 minutes at 2 oz. per gal. of 400 ppm hard water
{{(660 ppm active)}} and 5% soil on hard, non-porous surfaces:

Avian Influenza A {{(H5N1)}} Virus {{(Reassortant Strain)}} {{(CDC
2006719965)}}
Avian Influenza A {{(H3N2)}} Virus {{(Avian Reassortant)}} {{(VR-
2072)}}
Cytomegalovirus {{(AD-169)}}
Coronavirus {{(SARS-associated)}} {{(CDC 200300592)}}
Hantavirus {{(PHV)}}
Hepatitis B Virus {{(HBV)}} {{(Duck Hepatitis B Virus)}}
Hepatitis C Virus {{(HCV)}} {{(Bovine Viral Diarrhea Virus)}}
Herpes Simplex Virus Type 1 {{(VR-733)}}
Herpes Simplex Virus Type 2 {{(VR-734)}}
Human Coronavirus {{(VR-740)}}
Human Immunodeficiency Virus Type 1 {{(HIV 1)}} {{(AIDS
Virus)}}
Influenza A {{(H1N1)}} Virus {{(Strain A/PR/8/34)}}
Influenza A {{(H3N2)}} Virus {{(Hong Kong Strain)}} {{(VR-544)}}
Respiratory Syncytial Virus {{(VR-26)}}
Vaccinia Virus {{(VR-119)}}

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ANIMAL PREMISE VIRUCIDAL* PERFORMANCE: This product kills the following viruses in 10 minutes at 2 oz. per gal. of 400 ppm hard water {{660 ppm active}} and 5% soil on hard, non-porous surfaces:

Avian Infectious Bronchitis Virus {{Strain Beaudette IB42}}
Avian Influenza A Virus {{H5N1}}
Avian Influenza A Virus {{H3N2}} {{Avian Reassortant}} {{VR-2072}}
Canine Coronavirus {{Clinical Isolate}}
Canine Distemper Virus {{VR-128}}
Feline Picornavirus {{VR-649}}
Infectious Bovine Rhinotracheitis Virus {{VR-188}}
Pseudorabies Virus {{VR-135}}
Swine Influenza A Virus {{H1N1}} {{Strain A/Swine/1976/3}}
Transmissible Gastroenteritis Virus {{TGE}} {{Clinical Isolate}}

This product kills the following viruses in 10 minutes at 9 oz. per gal. of 400 ppm hard water {{2970 ppm active}} and 5% soil on hard, non-porous surfaces:

Canine Parvovirus** {{CPV}} {{Type 2b}}
Rabies Virus** {{Clinical Isolate}}

** Indicates that a dilution of 9 oz. per gal. of water is required for this claim.

NON-FOOD CONTACT SANITIZING PERFORMANCE: This product is an effective one-step sanitizer in 3 minutes at 2 oz. per gal. of 400 ppm hard water {{660 ppm active}} and 5% soil on hard, non-porous surfaces:

Klebsiella pneumoniae {{ATCC 4352}}
Staphylococcus aureus {{ATCC 6538}}

FUNGICIDAL PERFORMANCE: This product kills the following fungi in 10 minutes at 2 oz. per gal. of 400 ppm hard water {{660 ppm active}} and 5% soil on hard, non-porous surfaces:

Candida albicans {{ATCC 10231}}
Trichophyton mentagrophytes {{ATCC 9533}} {{Athlete's foot fungus}} {{a cause of Ringworm}}

MILDEWSTATIC PERFORMANCE: This product controls the following mold at 2 oz. per gal. of 400 ppm hard water {{660 ppm active}} and 5% soil on hard, non-porous surfaces for up to 7 days:

Aspergillus niger {{ATCC 16404}}