

CONTACT-64 One-Step Disinfectant Cleaner



Efficacy Data

EPA Reg. # 6836-75-85023

Summary of Antimicrobial Test Results

Contact-64 is a “One-Step” Hospital Disinfectant, Virucide, Fungicide, Mildewstat and Cleaner. Listed below, and in the following pages, is a summary of the Antimicrobial Claims and a review of the test results.

Claim:	Contact Time:	Organic Soil:	Water Conditions:
Disinfectant	10 minutes	5%	200 ppm as CaCO ₃
Test Method: Official Method of the AOAC, 14 Edition Use-Dilution Method			

Organism	Contact Time (Min)	Dilution
Acinetobacter baumannii	10	848 ppm (2 oz/gal)
Burkholderia cepacia	10	848 ppm
Campylobacter jejuni	10	848 ppm
Corynebacterium ammoniagenes	10	848 ppm
Enterobacter aerogenes	10	848 ppm
Enterobacter cloacae NDM-1 positive	10	848 ppm
Enterococcus faecalis	10	848 ppm
Enterococcus faecalis - Vancomycin res.	10	848 ppm
Escherichia coli	10	848 ppm
Escherichia coli, New Delhi Metallo-Beta Lactamase (NDM-1)	10	848 ppm
Escherichia coli ESBL ²	10	848 ppm
Klebsiella pneumoniae	10	848 ppm
Klebsiella pneumoniae NDM-1 positive	10	848 ppm
Legionella pneumophila	10	848 ppm
Pseudomonas aeruginosa	10	848 ppm
Salmonella enterica	10	848 ppm
Salmonella schottmuelleri	10	848 ppm
Salmonella typhi	10	848 ppm
Serratia marcescens	10	848 ppm
Shigella dysenteriae	10	848 ppm
Staphylococcus aureus	10	848 ppm
Staphylococcus aureus ³	10	848 ppm
Staphylococcus aureus ⁴	10	848 ppm
Staphylococcus aureus ⁵ (VISA)	10	848 ppm

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Staphylococcus aureus (MRSA) Community Associated (NRS 384) (USA 300)	10	848 ppm
Staphylococcus aureus (MRSA) Community Associated (NRS 123) (USA 400)	10	848 ppm
Streptococcus pyogenes	10	848 ppm
Vibrio cholerae	10	848 ppm

² Enzyme producing, antibiotic resistant

³ Methicillin Resistant strain - (MRSA)

⁴ Multidrug Resistant: Tetracycline, penicillin, streptomycin, erythromycin; susceptible to chloramphenicol

⁵ Reduced Susceptibility to Vancomycin

Conclusion: All lots of Contact-64 effectively killed the above listed bacteria as specified in the test performance standards. Contact-64 meets EPA requirements for hard surface disinfectant claims in hospital and medical environments when diluted 1:64 in 200 ppm synthetic hard water in the presence of 5% organic soil.

Claim:	Contact Time:	Organic Soil:	Water Conditions:
Virucide	Varies	5%	200 ppm as CaCO ₃
Test Method:		EPA Guidelines	

Organism	Contact Time	Dilution
Adenovirus Type 5	10 Min.	3391 ppm (8 oz/gal)*
Adenovirus Type 7	10 Min.	3391 ppm (8 oz/gal)*
Hepatitis B (HBV)	10 Min.	848 ppm (2oz/gal)
Hepatitis C (HCV)	10 Min.	848 ppm
Herpes Simplex Type 1	10 Min.	848 ppm
Herpes Simplex Type 2	10 Min.	848 ppm
HIV-1 (AIDS Virus)	1 Min.	848 ppm
Human Coronavirus	10 Min.	848 ppm
Influenza A/Brazil	10 Min.	848 ppm
Influenza A Virus Type Hong Kong	10 Min.	848 ppm
*2013 Influenza A Virus (H7N9)		848 ppm
Norwalk (Feline Caliciviruses the surrogate for Norwalk virus)	10 Min.	848 ppm
Respiratory Syncytial Virus	10 Min.	848 ppm
Rotavirus	10 Min.	848 ppm
SARS associated Coronavirus	10 Min.	848 ppm
Vaccinia	10 Min.	848 ppm

*Note, the higher dilution is required for efficacy

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Conclusion: All lots of Contact-64 effectively inactivated the above listed viruses as specified in the test performance standards. Contact-64 meets EPA requirements for hard surface virucidal claims in hospital and medical environments when diluted as indicated in 200 ppm synthetic hard water in the presence of 5% organic soil.

Claim:	Contact Time:	Organic Soil:	Water Conditions:
Fungicide	10 minutes	5%	200 ppm as CaCO ₃
Test Method:	EPA-Guidelines		

Organism	Dilution
Trichophyton mentagrophytes	848 ppm (2 oz/gal)

Conclusion: All lots of Contact-64 effectively killed Trichophyton mentagrophytes as specified in the test performance standards. Contact-64 is an effective fungicide for nonporous inanimate hard surfaces when diluted 1:64 (849 ppm) in 200 ppm synthetic hard water in the presence of 5% organic soil.

Claim:	Contact Time:	Organic Soil:	Water Conditions:
Mildewstat	10 minutes	5%	200 ppm as CaCO ₃
Test Method:	EPA-Guidelines		

Organism	Dilution
Aspergillus niger	848 ppm (2 oz/gal)

Conclusion: All lots of Contact-64 were found to be effective against Aspergillus niger as specified in the test performance standards described above. Contact-64 is an effective mildewstat for nonporous inanimate hard surfaces when diluted 1:64 in 200 ppm synthetic hard water in the presence of 5% organic soil.