

AIRX 109 EBO

CONCENTRATE DISINFECTANT
CLEANER GERMICIDE, VIRUCIDE,
ODOR COUNTERACTANT

**Efficacy
Data**

EPA Reg. No. 6836-78-44089

Summary of Antimicrobial Test Results:

AIRX 109 EBO a "One-Step" Hospital Disinfectant, Virucide, Fungicide, Mildewstat and Cleaner. Listed in the following pages is a summary of Antimicrobial Claims and a review of test results.

Bacteria Claims

Claim:	Contact time:	Organic Soil:	Water Conditions:
Disinfectant	10 minutes	5%	200 ppm as CaCO ₃ ,
Test Method: Official Method of the AOAC, 14th Edition Use-Dilution Method			
Organism	Contact Time (Min)	Dilution	
Acinetobacter baumannii	10	848 ppm (1/2oz. per 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 resistant [VRE]	10	848 ppm	
Escherichia coli ESBL - Extended spectrum beta-lactamase producing E. coli	10	848 ppm	
Escherichia coli	10	848 ppm	
Escherichia coli, New Dehli Metallo-Beta Lactamase (NDM-1)	10	848 ppm	
Klebsiella pneumoniae	10	848 ppm	
Klebsiella pneumoniae – NDM-1 positive	10	848 ppm	
Legionella pneumophila	10	848 ppm	
Listeria monocytogenes	10	848 ppm	
Serratia marcescens	10	848 ppm	
Pseudomonas aeruginosa	10	848 ppm	
Salmonella enterica	10	848 ppm	
Salmonella schottmuelleri	10	848 ppm	
Salmonella typhi	10	848 ppm	
Shigella dysenteriae	10	848 ppm	
Staphylococcus aureus	10	848 ppm	
Staphylococcus aureus - Vancomycin Intermediate Resistant - [VISA]	10	848 ppm	
Staphylococcus Aureus Community Associated Methicillin resistant [CA-MRSA][NRS384][USA 300]	10	848 ppm	
Staphylococcus Aureus Community Associated Methicillin resistant [CA-MRSA][NRS123][USA 400]	10	848 ppm	
Staphylococcus aureus Methicillin Resistant [MRSA]	10	848 ppm	
Staphylococcus aureus Multidrug resistant	10	848 ppm	
Streptococcus pyogenes	10	848 ppm	
Vibrio cholerae	10	848 ppm	

Conclusion: AIRX 109 EBO is effective against the above listed (page 1) bacteria as specified in the test performance standards. AIRX 109 EBO meets EPA requirements for hard surface disinfectant claims in hospital and medical environments when diluted 1:256 in 200 ppm synthetic hard water in the presence of 5% organic soil.

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Virucidal Claims

Claim: Virucide	Contact time: Varies	Organic Soil: 5%	Water Conditions: 200 ppm as CaCO ₃ ,
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Test Method: Virucidal Efficacy of a Disinfectant for Use on an Inanimate Environmental Surface

Organism	Contact Time (Min)	Dilution
Adenovirus Type 5	10	3391 (2 oz. per Gal)
Adenovirus Type 7	10	3391 (2 oz. per Gal)
Hepatitis B Virus {HBV}	10	848 ppm
Hepatitis C Virus {HCV}	10	848 ppm
Herpes Simplex Virus Type 1	10	848 ppm
Herpes Simplex Virus Type 2	10	848 ppm
HIV-1 [AIDS Virus]	1	848 ppm
Human Coronavirus	1	848 ppm
Influenza Virus Type A/Brazil	1	848 ppm
Influenza Type A/Hong Kong [influenza]	1	848 ppm
Influenza A Virus (H7N9)	1	848 ppm
Norwalk Virus - Norovirus	10	848 ppm
Resiratory Syncytial Virus [RSV]	10	848 ppm
Rotavirus	10	848 ppm
SARS Associated Coronavirus [SARS]	10	848 ppm
Vaccinia [Pox Virus]	10	848 ppm

Conclusion: AIRX 109 EBO effectively inactivated the above listed viruses as specified in the test performance standards. AIRX 109 EBO meets EPA requirements for hard surface virucidal claims in hospital and medical environments when diluted in 200 ppm synthetic hard water in the presence of 5% organic soil.

Fungicidal Claims

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

Organism	Contact time (minutes)	Dilution
Trichophyton mentagrophytes	10	848 ppm (0.5 oz/gal)

Conclusion: AIRX 109 EBO is effective against Trichophyton mentagrophytes as specified in the test performance standards. AIRX 109 EBO is an effective fungicide for nonporous inanimate hard surfaces when diluted to 1:256 (848 ppm) in 200 ppm synthetic hard water in the presence of 5% organic soil.

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

Organism	Contact time (minutes)	Dilution
Aspergillus niger	10	848 ppm (0.5 oz/gal)

Conclusion: AIRX 109 EBO was found to be effective against Aspergillus niger as specified in the test performance standards described above. AIRX 109 EBO is an effective mildewstat for nonporous inanimate hard surfaces when diluted 1:256 in 200 ppm synthetic hard water in the presence of 5% organic soil.