



World Class Cleaning Solutions®

## Bathroom Plus Non-Acid Disinfectant Bathroom Cleaner #1720

EPA Registration No.: 10324-85-2296

### Summary of Antimicrobial Test Results

Bathroom Plus is a one-step Ready-To-Use (RTU) hospital disinfectant cleaner that is effective against a broad spectrum of bacteria, viruses or fungi and will inhibit the growth of mold and mildew and their odors.

#### **Hospital Disinfection**

This product is bactericidal according to the AOAC Use Dilution Test method on hard inanimate surfaces modified in the presence of 5% organic serum (850 ppm active). Treated surfaces must remain wet for 10 minutes.

(Testing is performed per the AOAC UDT/GST method (DIS/TSS-1). Sixty carriers are required on 3 separate lots, one of which must be >60 days old against Pseudomonas aeruginosa, Salmonella choleraesuis and Staphylococcus aureus. Killing of 59 out 60 carriers is required (total carriers = 540).)

Organism	Carrier Population	Sample	# Carriers	# Positive
Pseudomonas aeruginosa ATCC #15442	2.3 X 10 <sup>6</sup> CFU/Carrier	A (60 Days Old)	60	0/60
	1.7 X 10 <sup>6</sup> CFU/Carrier	B	60	0/60
	1.3 X 10 <sup>6</sup> CFU/Carrier	C	60	1/60
Salmonella enterica ATCC #10708	1.1 X 10 <sup>5</sup> CFU/Carrier	A (60 Days Old)	60	0/60
	1.5 X 10 <sup>6</sup> CFU/Carrier	B	60	0/60
	2.1 X 10 <sup>6</sup> CFU/Carrier	C	60	0/60
Staphylococcus aureus ATCC #6538	1.5 X 10 <sup>6</sup> CFU/Carrier	A (60 Days Old)	60	0/60
	1.4 X 10 <sup>6</sup> CFU/Carrier	B	60	0/60
	4.7 X 10 <sup>6</sup> CFU/Carrier	C	60	0/60

#### **Supplemental Organisms**

(Testing is performed per the AOAC UDT/GST method. Ten carriers are required on 2 separate lots against each supplemental organism. Killing of 10 out 10 carriers is required (total carriers = 20).)

Organism	Carrier Population	Sample	# Carriers	# Positive
Burkholderia cepacia ATCC 25416	3.5 X 10 <sup>6</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
Campylobacter jejuni ATCC 29428	2.9 X 10 <sup>5</sup> CFU/Carrier	A	10	0/10
		B	10	0/10

Corynebacterium ammoniagenes ATCC 6871	1.8 X 10 <sup>5</sup> CFU/Carrier	<u>A</u>	10	0/10
		B	10	0/10
Enterobacter aerogenes ATCC 13048	4.1 X 10 <sup>6</sup> CFU/Carrier	<u>A</u>	10	0/10
		B	10	0/10
<b>Organism</b>	<b>Carrier Population</b>	<b>Sample</b>	<b># Carriers</b>	<b># Positive</b>
Enterobacter cloacae Clinical Isolate	6.6 X 10 <sup>4</sup> CFU/Carrier	<u>A</u>	10	0/10
		B	10	0/10
Enterobacteriaceae with Extended beta-lactamase resistance ATCC BAA-72	3.9 X 10 <sup>5</sup> CFU/Carrier 1.25 X 10 <sup>6</sup> CFU/Carrier	<u>A</u>	10	0/10
		B	10	0/10
Enterococcus faecalis ATCC 19433	9.4 X 10 <sup>4</sup> CFU/Carrier	<u>A</u>	10	0/10
		B	10	0/10
Enterococcus faecium Vancomycin Resistant (VRE)	4.5 X 10 <sup>5</sup> CFU/Carrier	<u>A</u>	10	0/10
		B	10	0/10
Escherichia coli ATCC 11229	3.2 X 10 <sup>5</sup> CFU/Carrier	<u>A</u>	20	0/20
		B	20	0/20
Escherichia coli Antibiotic Resistant Clinical Isolate	3.9 X 10 <sup>5</sup> CFU/Carrier	<u>A</u>	20	0/20
		B	20	0/20
Escherichia coli 0157:H7 ATCC 35150	1.1 X 10 <sup>4</sup> CFU/Carrier	<u>A</u>	20	0/20
		B	20	0/20
Klebsiella pneumoniae ATCC 4352	9.9 X 10 <sup>4</sup> CFU/Carrier	<u>A</u>	20	0/20
		B	20	0/20
Klebsiella pneumoniae Antibiotic Resistant Clinical Isolate	2.7 X 10 <sup>5</sup> CFU/Carrier	<u>A</u>	10	0/10
		B	10	0/10
Legionella pneumophila ATCC 33153	8.2 X 10 <sup>7</sup> CFU/Carrier	<u>A</u>	10	0/10
		B	10	0/10
Listeria monocytogenes ATCC 984	1.85 X 10 <sup>5</sup> CFU/Carrier	<u>A</u>	10	0/10
		B	10	0/10
Proteus mirabilis Clinical Isolate	1.9 X 10 <sup>6</sup> CFU/Carrier	<u>A</u>	20	0/20
		B	20	0/20
Proteus vulgaris ATCC 33420	4.55 X 10 <sup>4</sup> CFU/Carrier	<u>A</u>	20	0/20
		B	20	0/20
Pseudomonas aeruginosa Clinical Isolate	1.2 X 10 <sup>6</sup> CFU/Carrier	<u>A</u>	10	0/10
		B	10	0/10
Salmonella typhi ATCC 6539	5.1 X 10 <sup>5</sup> CFU/Carrier	<u>A</u>	10	0/10
		B	10	0/10
Serratia marcescens ATCC 43861	1.5 X 10 <sup>5</sup> CFU/Carrier	<u>A</u>	20	0/20
		B	20	0/20
Shigella dysenteriae ATCC 9361	5.45 X 10 <sup>4</sup> CFU/Carrier	<u>A</u>	10	0/10
		B	10	0/10
Shigella flexneri ATCC 12022	4.85 X 10 <sup>4</sup> CFU/Carrier	<u>A</u>	20	0/20
		B	20	0/20
Shigella sonnei	2.75 X 10 <sup>4</sup> CFU/Carrier	<u>A</u>	20	0/20

ATCC 9290		B	20	0/20
Staphylococcus aureus	1.45 X 10 <sup>5</sup> CFU/Carrier	A	20	0/20
(Methicillin Resistant) (MRSA) ATCC 33591		B	20	0/20

Organism	Carrier Population	Sample	# Carriers	# Positive
Community Associates Methicillin Resistant Staphylococcus aureus (CA-MRSA) 9NRS) (Genotype USA400)	2.77 X 10 <sup>5</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
Staphylococcus epidermidis Antibiotic Resistant Clinical Isolate	4.2 X 10 <sup>5</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
Streptococcus pyogenes ATCC 19615	3.35 X 10 <sup>6</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
Vibrio cholera ATCC 11623	9.3 X 10 <sup>6</sup> CFU/Carrier	A	10	0/10
		B	10	0/10

### Virucidal against

This product was evaluated in the presence of 5% serum with a 10 minute contact time and found to be effective against the following viruses on hard nonporous environmental surfaces.

(Testing is performed per EPA Guidance (DIS/TSS-7). Two separate lots are tested. Inactivation of virus must be demonstrated at all dilutions when no cytotoxicity is observed or at all dilutions above the cytotoxic level when it is observed. The data must demonstrate a 3-log reduction in viral titer for both lots (3 lots for Canada).)

Organism	Dried Virus Control	Sample	Result	Log Reduction
Avian Influenza A (H5N1) Virus	4.5 Log <sub>10</sub>	A	≤0.5 Log <sub>10</sub>	≥4.0 Log <sub>10</sub>
		B	≤0.5 Log <sub>10</sub>	≥4.0 Log <sub>10</sub>
Avian Influenza/Turkey/Wisconsin ATCC VR-798	6.0 Log <sub>10</sub>	A	≤1.5 Log <sub>10</sub>	≥4.5 Log <sub>10</sub>
		B	≤1.5 Log <sub>10</sub>	≥4.5 Log <sub>10</sub>
Hepatitis B Virus	5.5 Log <sub>10</sub> 5.5 Log <sub>10</sub> 4.5 Log <sub>10</sub>	A	≤1.5 Log <sub>10</sub>	≥4.0 Log <sub>10</sub>
		B	≤1.5 Log <sub>10</sub>	≥4.5 Log <sub>10</sub>
		Confirmatory A	≤1.5 Log <sub>10</sub>	≥3.0 Log <sub>10</sub>
Hepatitis C Virus ATCC CCL-22	6.84 Log <sub>10</sub> 6.84 Log <sub>10</sub> 7.14 Log <sub>10</sub>	A	≤1.51 Log <sub>10</sub>	≥5.33 Log <sub>10</sub>
		B	≤1.51 Log <sub>10</sub>	≥5.33 Log <sub>10</sub>
		Confirmatory B	≤1.7 Log <sub>10</sub>	≥5.44 Log <sub>10</sub>
Human Coronavirus ATCC VR-740	4.75 Log <sub>10</sub>	A	≤1.5 Log <sub>10</sub>	≥3.25 Log <sub>10</sub>
		B	≤1.5 Log <sub>10</sub>	≥3.25 Log <sub>10</sub>
Human Immunodeficiency Virus Type 1 (HIV 1) HTLV-III <sub>RF</sub>	6.5 Log <sub>10</sub>	A	≤2.5 Log <sub>10</sub>	≥4.0 Log <sub>10</sub>
		B	≤2.5 Log <sub>10</sub>	≥4.0 Log <sub>10</sub>
Influenza A (H1N1) virus ATCC VR-1469	4.5 Log <sub>10</sub>	A	≤0.5 Log <sub>10</sub>	≥4.0 Log <sub>10</sub>
		B	≤0.5 Log <sub>10</sub>	≥4.0 Log <sub>10</sub>
Influenza A/Brazil Virus	4.8 Log <sub>10</sub>	A	≤0.5 Log <sub>10</sub>	≥4.3 Log <sub>10</sub>
		B	≤0.5 Log <sub>10</sub>	≥4.3 Log <sub>10</sub>
Respiratory syncytial virus ATCC VR-26, Strain Long	4.5 Log <sub>10</sub>	A	≤1.5 Log <sub>10</sub>	≥3.0 Log <sub>10</sub>
		B	≤1.5 Log <sub>10</sub>	≥3.0 Log <sub>10</sub>

Organism	Dried Virus Control	Sample	Result	Log Reduction
Vaccinia virus	5.5 Log <sub>10</sub>	A	≤1.5 Log <sub>10</sub>	≥4.0 Log <sub>10</sub>
		B	≤1.5 Log <sub>10</sub>	≥4.0 Log <sub>10</sub>

### Mold and Mildew Control

Use this product to control the growth of mold and mildew and their odors on hard, non-porous surfaces.

Thoroughly wet all treated surfaces completely. Let air-dry. Repeat application weekly or when growth or odor appears.

	Tile Number	Untreated After 7 Days	Sample A After 7 Days	Sample B After 7 Days
Aspergillus niger ATCC 6275	1	Growth 100%	No Growth 0%	No Growth 0%
	2	Growth 100%	No Growth 0%	No Growth 0%
	3	Growth 80%	No Growth 0%	No Growth 0%
	4	Growth 80%	No Growth 0%	No Growth 0%
	5	Growth 100%	No Growth 0%	No Growth 0%
	6	Growth 80%	No Growth 0%	No Growth 0%
	7	Growth 80%	No Growth 0%	No Growth 0%
	8	Growth 80%	No Growth 0%	No Growth 0%
	9	Growth 80%	No Growth 0%	No Growth 0%
	10	Growth 80%	No Growth 0%	No Growth 0%

### Fungicidal against

This product was evaluated in the presence of 5% serum with a 10 minute contact time and found to be effective against the following fungi on hard nonporous environmental surfaces.

(Testing is performed per the AOAC fungicidal method (DIS/TSS-6). Two separate lots are tested against Trichophyton Metagrophytes in a suspension test. Killing of all fungal spores in 10 minutes is required.)

	Carrier Population	Sample	# Carriers	# Positive
Candida albicans ATCC 10231	4.2 X 10 <sup>5</sup> CFU/Carrier	A	10	0/10
		B	10	0/10
Trichophyton mentagrophytes ATCC 9533	6.6 X 10 <sup>6</sup> CFU/Carrier	A	10	0/10
		B	10	0/10