

Public Places Towelette Efficacy Overview

EPA Registration # 61178-4
Revised Date: January 27, 2009

1	Acinetobacter calcoaceticus var anitratus	Gram negative clinical isolate	10 minutes
2	Acinetobacter calcoaceticus var lwoffii	Gram negative clinical isolate	10 minutes
3	Actinobacillus pleuropneumoniae	ATCC 27088	10 minutes
4	Actinomyces pyogenes	ATCC 19411	10 minutes
5	Adenovirus type 2	ATCC VR-846	10 minutes
6	Aspergillus candidus	Environmental fungus	10 minutes
7	Aspergillus niger	Environmental fungus	5 minutes
8	Aspergillus niger	AIDS patient isolate	10 minutes
9	Avian Influenza/Turkey Wisconsin Virus	ATCC VR-798	10 minutes
10	Bacillus cereus	ATCC 11778	10 minutes
11	Bacteroides fragilis	ATCC 43859 -Generated efficacy data being submitted to the US EPA	10 Minutes
12	Bordetella bronchiseptica	Gram negative clinical isolate	10 minutes
13	Bordetella bronchiseptica	ATCC 19395	10 minutes
14	Bovine viral diarrhoea virus (BVDV) HCV	X-800 strain - Generated efficacy data being submitted to the US EPA	10 Minutes
15	Brevibacterim ammoniagenes	GBL strain	10 minutes
16	Brevundimonas diminuta	Gram negative clinical isolate	10 minutes
17	Burkholderia cepacia	Gram negative clinical isolate	10 minutes
18	Burkholderia pickettii	ATCC 49729	10 minutes
19	Campylobacter jejuni	ATCC 29428	10 minutes
20	Candida albicans	AIDS patient isolate	10 minutes
21	Canine Coronavirus	ATCC VR-809 Strain 1-71 - Generated efficacy data being submitted to the US EPA	10 Minutes
22	Canine Herpesvirus	ATCC VR-522	10 minutes
23	Chryseomonas luteola	ATCC 43273	10 minutes
24	Corynebacterium ammoniagenes	GBL strain	10 minutes
25	Corynebacterium pseudotuberculosis	ATCC 19410	10 minutes
26	Cryptococcus neoformans	AIDS patient isolate	10 minutes
27	Cytomegalovirus	ATCC VR-284	10 minutes
28	Echovirus II	GBL strain	30 minutes
29	Enterobacter aerogenes	GBL strain	10 minutes
30	Enterobacter agglomerans	Gram negative clinical isolate	10 minutes
31	Enterobacter agglomerans	Antibiotic resistant gram negative rod	10 minutes
32	Enterobacter cloacae	Gram negative clinical isolate	10 minutes
33	Enterobacter gergoviae	Gram negative clinical isolate	10 minutes
34	Enterobacter liquefaciens	Gram negative clinical isolate	10 minutes
35	Enterococcus faecalis	Gram positive clinical isolate	10 minutes
36	Enterococcus faecalis	ATCC 1786-2 VANCOMYCIN resistant	10 minutes

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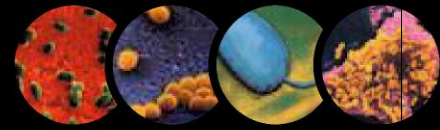
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37	Equine Herpesvirus	ATCC VR-700	10 minutes
38	Equine Influenza Virus A	ATCC VR-297	10 minutes
39	Escherichia vulneris	Wildtype isolate	10 minutes
40	Escherichia coli	GBL 101 strain	10 minutes
41	Escherichia coli	Antibiotic resistant gram negative rod	10 minutes
42	Escherichia coli (Urinary)	Gram negative clinical isolate	10 minutes
43	Escherichia coli (Wound)	Gram negative clinical isolate	10 minutes
44	Escherichia coli 0157:H7	ATCC 35150	10 minutes
45	Feline Calicivirus	Upjohn Company strain	10 minutes
46	Feline Infectious Peritonitis Virus	ATCC VR-990	10 minutes
47	Flavobacterium meningosepticum	Gram negative clinical isolate	10 minutes
48	Haemophilus influenzae	ATCC 10211- Generated efficacy data being submitted to the US EPA	10 Minutes
49	Hafnia alvei	Gram negative clinical isolate	10 minutes
50	Herpes Simplex Virus type 1	ATCC VR-260	30 seconds
51	Herpes Simplex Virus type 2	ATCC VR-734	30 seconds
52	Human Coronavirus 98% Soil Load	ATCC VR-740 Strain 229E - Generated efficacy data being submitted to the US EPA	10 Minutes
53	Human Hepatitis B Virus (HHBV)	New York Blood Center: Dr. Fred Prince	10 minutes
54	Human Immunodeficiency Virus (HIV)	UMDNJ: Dr. James Oleske's laboratory	30 seconds
55	Infectious Bovine Rhinotracheitis (IBR) Virus	ATCC VR-188	10 minutes
56	Influenza A/Brazil (H1N1) Virus	New Jersey Department of Health strain	10 minutes
57	Influenza A/Victoria (H2N2) Virus	ATCC VR-822, Hoffman-LaRoche, Pool # 28	10 minutes
58	Influenza A2/Japan/305 (H2N2) Virus	ATCC VR-100	50 seconds
59	Influenza B Virus	Allen strain ATCC VR-102	30 seconds
60	Influenza C Virus	Taylor strain VR-104	10 minutes
61	Klebsiella oxytoca	Gram negative clinical isolate	10 minutes
62	Klebsiella oxytoca	Antibiotic resistant gram negative rod	10 minutes
63	Klebsiella pneumoniae	Antibiotic resistant gram negative rod	10 minutes
64	Klebsiella pneumoniae	Gram negative clinical isolate	10 minutes
65	Klesiella pneumoniae	ATCC 4352 - Generated efficacy data being submitted to the US EPA	10 Minutes
66	Legionella pneumophila	GBL strain	10 minutes
67	Listeria monocytogenes	ATCC 984	10 minutes
68	Measles Virus	ATCC VR-24	30 seconds
69	Micrococcus luteus	Gram positive clinical isolate	10 minutes
70	Morganella morganii	Gram negative clinical isolate	10 minutes
71	Morganella morganii	Antibiotic resistant gram negative rod	10 minutes
72	Neisseria gonorrhoeae	GBL strain	10 minutes
73	Newcastle Disease Virus	ATCC VR-109	10 minutes
74	Parainfluenza Virus type 1	ATCC VR-105	30 seconds
75	Pasteurella haemolyticus	ATCC 43823	10 minutes
76	Penicillium chermesinum	Environmental fungus	10 minutes
77	Penicillium oxalicum	Environmental fungus	5 minutes
78	Penicillium spinulosum	Environmental fungus	5 minutes

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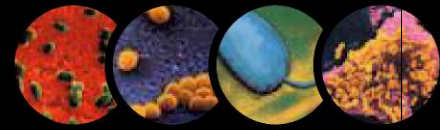
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79	Poliovirus type 1	Chat strain	30 minutes
80	Porcine Parvovirus	ATCC VR-742	10 minutes
81	Proteus mirabilis	Gram negative clinical isolate	10 minutes
82	Proteus vulgaris	Gram negative clinical isolate	10 minutes
83	Pseudomonas aeruginosa	AIDS patient isolate	10 minutes
84	Pseudomonas aeruginosa	Gram negative clinical isolate	10 minutes
85	Pseudomonas aeruginosa	ATCC 15442	10 minutes
86	Pseudomonas aeruginosa	Antibiotic resistant gram negative rod	
87	Pseudomonas aeruginosa	Multiple (8) Antibiotic Resistant Gram N - Generated efficacy data being submitted to the US EPA	10 Minutes
88	Pseudomonas fluorescens	Gram negative clinical isolate	10 minutes
89	Pseudomonas pseudomallei	Gram negative clinical isolate	10 minutes
90	Pseudomonas putida	Gram negative clinical isolate	10 minutes
91	Pseudomonas stutzeri	Gram negative clinical isolate	10 minutes
92	Pseudorabies Virus	ATCC VR-135	30 seconds
93	Respiratory Syncytial Virus (RSV)	ATCC VR-26, strain Long - Generated efficacy data being submitted to the US EPA	10 minutes
94	Rhodococcus equi	ATCC 6939	10 minutes
95	Rotavirus Strain WA	obtained from the University of Ottawa, Canada - Generated efficacy data being submitted to the US EPA	10 minutes
96	Salmonella choleraesuis	ATCC 10708	10 minutes
97	Salmonella choleraesuis	ATCC 19214 Antibiotic Resistant Gram - Generated efficacy data being submitted to the US EPA	10 Minutes
98	Salmonella typhi	ATCC 6539	10 minutes
99	Salomonella schottmuelleri	GBL strain	10 minutes
100	Serratia marcescens	Gram negative clinical isolate	10 minutes
101	Shigella dysenteriae	GBL strain	10 minutes
102	Sphingomonas paucimobilis	Gram negative clinical isolate	10 minutes
103	Staphylococcus aureus	Toxic shock strain	10 minutes
104	Staphylococcus aureus	Gram positive clinical isolate	10 minutes
105	Staphylococcus aureus	ATCC 33591 METHICILLIN resistant	10 minutes
106	Staphylococcus aureus	ATCC 6338 - Generated efficacy data being submitted to the US EPA	10 Minutes
107	Staphylococcus aureus	AIDS patient isolate	10 minutes
108	Staphylococcus auricularis	ATCC 33753	10 minutes
109	Staphylococcus capitis	Clinical isolate	10 minutes
110	Staphylococcus epidermidis	Gram positive clinical isolate	10 minutes
111	Staphylococcus epidermidis	Antibiotic resistant gram positive isolate	10 minutes
112	Staphylococcus hominis	ATCC 29885	10 minutes
113	Staphylococcus saprophyticus	Gram positive clinical isolate	10 minutes
114	Staphylococcus simulans	ATCC 11631	10 minutes
115	Stenotrophonas maltophilia	Clinical isolate	10 minutes
116	Streptococcus hemolyticus	Gram positive clinical isolate	10 minutes

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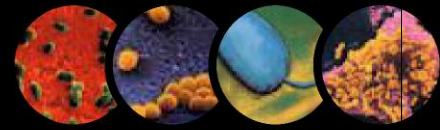
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117	Streptococcus equi var equi	ATCC 33398	10 minutes
118	Streptococcus equi var zooepidermicus	ATCC 43079	10 minutes
119	Streptococcus pneumoniae	AIDS patient isolate	10 minutes
120	Streptococcus pneumoniae (PRSP)	ATCC 51915 - Generated efficacy data being submitted to the US EPA	10 Minutes
121	Streptococcus pyogenes	ATCC 19615	10 minutes
122	Streptococcus salivarius	GBL strain	
123	T1 bacteriophage	ATCC 11303-B1	10 minutes
124	T4 bacteriophage	ATCC 11303-B4	10 minutes
125	Transmissible Gastroenteritis (TGE) Viru	ATCC VR-763	10 minutes
126	Treponema pallidum	ATCC 27087	10 minutes
127	Trichophyton mentagrophytes	ATCC 9533	10 minutes
128	Ulocladium sp.	Environmental fungus	5 minutes
129	Vaccinia Virus	Hoffmann LaRoche, Pool 57	10 minutes
130	Yersinia enterocolitica	ATCC 23715	10 minutes

Efficacy Disclaimer:

All U.S. EPA accepted efficacy claims, are represented and relied on, only in the form of the current Master D-125, Public Places, CCX-151, Public Places Towelette labels, as posted under **White Papers**. Efficacy overviews of the respective list, are additionally inclusive, of a host of other Non-U.S. based data generating programs, including ongoing research and development studies, as well as a host of voluntary Non-GLP testing generation programs, as part of Microgen's continuing International Efficacy Stewardship Testing Program.

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