



17 April 2020

**Efficacy Summary for Oxivir Five 16
Hospital Grade Disinfectant, with claims - AUST R 286618**

Count	Test Organisms	Test Method	Test Conditions	Results
1	<i>Escherichia coli</i> , (NCTC 8196)	TGA Option B (dirty conditions)	1:16 dilution, 10 mins. contact time	Pass
2	<i>Proteus vulgaris</i> , (NCTC 4635)	TGA Option B (dirty conditions)	1:16 dilution, 10 mins. contact time	Pass
3	<i>Pseudomonas aeruginosa</i> , (NCTC 6749)	TGA Option B (dirty conditions)	1:16 dilution, 10 mins. contact time	Pass
4	<i>Staphylococcus aureus</i> , (NCTC 4163)	TGA Option B (dirty conditions)	1:16 dilution, 10 mins. contact time	Pass
5	<i>Salmonella choleraesuis</i> (ATCC 10708)	AOAC Hard Surface Carrier Test	1:16 dilution, 10 mins. contact time, 5% organic soil, 340ppm water hardness	Pass
6	<i>Acinetobacter baumannii</i> , (ATCC 19606)	AOAC Germicidal Spray Test	1:16 dilution, 5 min. contact time, 200 ppm hard water, 5% soil load, 22°C, 10 carriers	No positive carriers
7	<i>Escherichia coli</i> O157:H7, (ATCC 35150)	AOAC Germicidal Spray Test	1:16 dilution, 5 min. contact time, 200 ppm hard water, 5% soil load, 22°C, 10 carriers	No positive carriers
8	<i>Klebsiella pneumoniae</i> , (ATCC 4352)	AOAC Germicidal Spray Test	1:16 dilution, 5 min. contact time, 200 ppm hard water, 5% soil load, 22°C, 10 carriers	No positive carriers
9	<i>Listeria monocytogenes</i> , (ATCC 19111)	AOAC Germicidal Spray Test	1:16 dilution, 5 min. contact time, 200 ppm hard water, 5% soil load, 22°C, 10 carriers	No positive carriers
10	<i>Streptococcus pyogenes</i> , (ATCC 12204)	AOAC Germicidal Spray Test	1:16 dilution, 5 min. contact time, 200 ppm hard water, 5% soil load, 22°C, 10 carriers	No positive carriers
11	<i>Shigella dysenteriae</i> , (ATCC 13313)	AOAC Germicidal Spray Test	1:16 dilution, 5 min. contact time, 200 ppm hard water, 5% soil load, 22°C, 10 carriers	No positive carriers
12	<i>Staphylococcus epidermidis</i> , Methicillin resistant (MRSE) (ATCC 51625)	AOAC Germicidal Spray Test	1:16 dilution, 5 min. contact time, 200 ppm hard water, 5% soil load, 22°C, 10 carriers	No positive carriers
13	<i>Staphylococcus aureus</i> , Methicillin resistant (MRSA) (ATCC 33591)	AOAC Germicidal Spray Test	1:16 dilution, 5 min. contact time, 200 ppm hard water, 5% soil load, 22°C, 10 carriers	No positive carriers
14	<i>Staphylococcus aureus</i> , Community Associated Methicillin resistant (CA-MRSA) (Clinical Isolate 08005) (Genotype USA400)	AOAC Germicidal Spray Test	1:16 dilution, 5 min. contact time, 200 ppm hard water, 5% soil load, 22°C, 10 carriers	No positive carriers



Count	Test Organisms	Test Method	Test Conditions	Results
15	<i>Staphylococcus aureus</i> , (Community Associated Methicillin resistant (CA-MRSA) (Clinical Isolate 08001) (Genotype USA300)	AOAC Germicidal Spray Test	1:16 dilution, 5 min. contact time, 200 ppm hard water, 5% soil load, 22°C, 10 carriers	No positive carriers
16	<i>Streptococcus pneumoniae</i> , Penicillin resistant (PRSP) (ATCC 700671)	AOAC Germicidal Spray Test	1:16 dilution, 5 min. contact time, 200 ppm hard water, 5% soil load, 22°C, 10 carriers	No positive carriers
17	<i>Enterococcus faecium</i> , Vancomycin resistant (VRE) (ATCC 51559)	AOAC Germicidal Spray Test	1:16 dilution, 5 min. contact time, 200 ppm hard water, 5% soil load, 22°C, 10 carriers	No positive carriers
18	<i>Escherichia coli</i> , (Extended Spectrum Beta-lactamase resistance [ESBL]), [CA-MRSA]), (clinical Isolate 08005) (ATCC BAA-196)	AOAC Germicidal Spray Test	1:16 dilution, 5 min. contact time, 200 ppm hard water, 5% soil load, 22°C	No growth
19	<i>Klebsiella pneumoniae</i> , (Carbapenem-resistant [KPC]), [CA-MRSA]), (clinical Isolate 08001) (Genotype USA300) (ATCC BAA-1705)	AOAC Germicidal Spray Test	1:16 dilution, 5 min. contact time, 200 ppm hard water, 5% soil load, 22°C	No growth
20	<i>Trichophyton mentagrophytes</i> , (ATCC 9533)	AOAC Fungicidal Activity Method	1:16 dilution, 10 min. contact time, 200 ppm hard water, 5% fetal bovine serum, 22°C	No growth
21	<i>Herpes Simplex Virus Type 2, Strain G</i> (ATCC VR-734)	EPA Virucidal Test Method	1:64 dilution, 5 min. contact time, 200 ppm hard water, 5% fetal bovine serum, 20°C	≥4.0 log ₁₀ reduction
22	<i>SARS-CoV-2 (COVID-19 virus) (Human Coronavirus 229E, (ATCC VR-740) as surrogate)</i>	EPA Virucidal Test Method	1:64 dilution, 5 min. contact time, 200 ppm hard water, 5% fetal bovine serum, 19°C	≥4.0 log ₁₀ reduction
23	<i>Influenza A virus, Strain Hong Kong</i> (ATCC VR-544)	EPA Virucidal Test Method	1:128 dilution, 5 min. contact time, 200 ppm hard water, 5% fetal bovine serum, 20°C	≥5.5 log ₁₀ reduction
24	<i>Norovirus (Feline Calicivirus as surrogate) (VR-782)</i>	EPA Virucidal Test Method	1:64 dilution, 5 min. contact time, 200 ppm hard water, 5% fetal bovine serum, 20°C	≥5.0 log ₁₀ reduction
25	<i>Parainfluenza Virus Type 3, Strain C243</i> (ATCC VR-93)	EPA Virucidal Test Method	1:64 dilution, 5 min. contact time, 200 ppm hard water, 5% fetal bovine serum, 20°C	≥6.0 log ₁₀ reduction
26	<i>Poliovirus Type 1, Strain Bruhnkilde</i> (ATCC VR-1000)	EPA Virucidal Test Method	1:64 dilution, 5 min. contact time, 200 ppm hard water, 5% fetal bovine serum, 19°C	≥5.75 log ₁₀ reduction
27	<i>Respiratory Syncytial Virus, Strain Long</i> (ATCC VR-26)	EPA Virucidal Test Method	1:64 dilution, 5 min. contact time, 200 ppm hard water, 5% fetal bovine serum, 19°C	≥4.0 log ₁₀ reduction



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28	<i>Rotavirus, Strain WA</i>	EPA Virucidal Test Method	1:64 dilution, 5 min. contact time, 200 ppm hard water, 5% fetal bovine serum, 19°C	≥4.75 log ₁₀ reduction
29	<i>Vaccinia virus, Strain WR (ATCC VR-119)</i>	EPA Virucidal Test Method	1:64 dilution, 5 min. contact time, 200 ppm hard water, 5% fetal bovine serum, 20°C	≥6.25 log ₁₀ reduction
30	<i>Hepatitis B Virus (HBV)</i>	EPA Virucidal Test Method - Duck Hepatitis B Virus as surrogate	1:64 dilution, 5 min. contact time, 200 ppm hard water, 100% duck serum, 20°C	≥3.09 log ₁₀ reduction
31	<i>Avian Influenza A (H3N2) virus, (Avian Reassortant) Strain A/Washington/897/80 X A/Mallard/New York/6750/78 (ATCC VR-2072)</i>	EPA Virucidal Test Method	1:64 dilution, 5 min. contact time, 200 ppm hard water, 5% fetal bovine serum, 19°C	≥4.75 log ₁₀ reduction
32	<i>Canine Parvovirus, Strain Cornell (ATCC VR-2017)</i>	EPA Virucidal Test Method	1:16 dilution, 5 min. contact time, 200 ppm hard water, 5% fetal bovine serum, 19°C	≥4.0 log ₁₀ reduction
33	<i>Adenovirus type 8, (ATCC VR-1368, Strain Trim)</i>	EPA Virucidal Test Method	1:64 dilution, 5 min. contact time, 200 ppm hard water, 5% fetal bovine serum, 20°C	≥4.5 log ₁₀ reduction
34	<i>Influenza A Virus (H1N1) (ATCC VR-1469, Strain A/PR/8/34)</i>	EPA Virucidal Test Method	1:64 dilution, 1 min. contact time, 200 ppm hard water, 5% fetal bovine serum, 20°C	≥5.0 log ₁₀ reduction
35	<i>Rhinovirus Type 37, Strain 151-1, (ATCC VR-1147)</i>	EPA Virucidal Test Method	1:64 dilution, 5 min. contact time, 200 ppm hard water, 5% fetal bovine serum, 20°C	≥4.0 log ₁₀ reduction
36	<i>Aspergillus niger, (ATCC 16404)</i>	EPA Hard Surface Mildew/Fungistatic Test	1:16 dilution, 10 min. contact time, 200 ppm hard water	No growth
37	<i>Staphylococcus aureus, (ATCC 6538)</i>	AOAC Germicidal Spray Test	1:16 dilution, 5 min. contact time, 5% soil load, 22°C, 10 carriers	No growth
38	<i>Pseudomonas aeruginosa, (ATCC 15442)</i>	AOAC Germicidal Spray Test	1:16 dilution, 5 min. contact time, 5% soil load, 22°C, 10 carriers	No growth
39	<i>Salmonella enterica, (ATCC 10708)</i>	AOAC Germicidal Spray Test	1:16 dilution, 5 min. contact time, 5% soil load, 22°C, 10 carriers	No growth
40	<i>Escherichia coli, (NCTC 8196)</i>	TGA Option A (clean conditions)	1:64 dilution, 10 mins. contact time	Pass
41	<i>Proteus vulgaris, (NCTC 4635)</i>	TGA Option A (clean conditions)	1:64 dilution, 10 mins. contact time	Pass
42	<i>Pseudomonas aeruginosa, (NCTC 6749)</i>	TGA Option A (clean conditions)	1:64 dilution, 10 mins. contact time	Pass
43	<i>Staphylococcus aureus, (NCTC 4163)</i>	TGA Option A (clean conditions)	1:64 dilution, 10 mins. contact time	Pass



Count	Test Organisms	Test Method	Test Conditions	Results
44	<i>Staphylococcus aureus</i> , (ATCC 6538)	Standard Test Method for Efficacy of Non-Food Contact Surfaces	1:128 dilution, 3 min. contact time, 200 ppm hard water, 5% fetal bovine serum, 22°C	>99.9% reduction
45	<i>Klebsiella pneumonia</i> , (ATCC 4352)	Standard Test Method for Efficacy of Non-Food Contact Surfaces	1:128 dilution, 3 min. contact time, 200 ppm hard water, 5% fetal bovine serum, 22°C	>99.9% reduction
46	<i>Escherichia coli</i> , (ATCC 11229)	Standard Test Method for Efficacy of Non-Food Contact Surfaces	1:128 dilution, 3 min. contact time, 200 ppm hard water, 5% fetal bovine serum, 22°C	>99.9% reduction
47	<i>Enterococcus faecalis</i> , (ATCC 29212)	Standard Test Method for Efficacy of Non-Food Contact Surfaces	1:128 dilution, 3 min. contact time, 200 ppm hard water, 5% fetal bovine serum, 22°C	>99.9% reduction
48	<i>Listeria monocytogenes</i> , (ATCC 19111)	Standard Test Method for Efficacy of Non-Food Contact Surfaces	1:128 dilution, 3 min. contact time, 200 ppm hard water, 5% fetal bovine serum, 22°C	>99.9% reduction
49	<i>Pseudomonas aeruginosa</i> , (ATCC 15442)	Standard Test Method for Efficacy of Non-Food Contact Surfaces	1:128 dilution, 3 min. contact time, 200 ppm hard water, 5% fetal bovine serum, 22°C	>99.9% reduction
50	<i>Salmonella enterica</i> , (ATCC 10708)	Standard Test Method for Efficacy of Non-Food Contact Surfaces	1:128 dilution, 3 min. contact time, 200 ppm hard water, 5% fetal bovine serum, 22°C	>99.9% reduction