

Table 1. DepHyze™ vs. Alcohol Against Norovirus

Product	Feline Calicivirus* Log10 Reduction	Murine Norovirus Log10 Reduction
DepHyze™ Hand Sanitizer	4.0	3.0
PURELL® Instant Hand Sanitizer (62% Ethyl Alcohol)	1.0	1.16

* FCV = Feline Calicivirus, a surrogate for Norovirus

Table 2. Chlorine Equivalency Test

The object of this test is to determine the available chlorine equivalent concentration of the product as compared to 200, 100, and 50 ppm available chlorine in the NaOCl standard controls.

Test Organism	Test Substance	Concentration	Subculture Series									
			1	2	3	4	5	6	7	8	9	10
S. aureus	NaOCl Control	200 ppm	0	0	0	0	0	+	+	+	+	+
		100 ppm	0	0	+	+	+	+	+	+	+	+
		50 ppm	0	+	+	+	+	+	+	+	+	+
	DepHyze™	RTU	0	0	0	0	0	0	0	0	0	0
S. typhi	NaOCl Control	200 ppm	0	0	0	0	0	0	+	+	+	+
		100 ppm	0	0	0	+	+	+	+	+	+	+
		50 ppm	0	0	+	+	+	+	+	+	+	+
	DepHyze™	RTU	0	0	0	0	0	0	0	0	0	0

Initial Suspension population:
Staphylococcus aureus
Salmonella typhi

7.6 X 10⁸ CFU/ml
1.2 X 10⁸ CFU/ml

+ = Growth of organism
0 = No growth of organism

Table 3. DepHyze™ Time Kill Study

Organism	Test Population Control (CFU/ml)	Number of Survivors (CFU/ml)	% Reduction	Log Reduction
Campylobacter jejuni	1.02 X 10 ⁷	<1 X 10 ²	>99.999	>5.00 Log10
Candida albicans	1.6 X 10 ⁵	6.0 X 10 ³	96.3	1.42 Log10
Clostridium difficile	3.4 X 10 ⁶	<2	>99.9999	>6.20 Log10
Enterococcus faecalis Vancomycin Resistant (VRE)	1.12 X 10 ⁶	3.2 X 10 ¹	99.99	4.54 Log10
Escherichia coli	3.8 X 10 ⁶	4	99.999	6.00 Log10
Escherichia coli O157:H7	1.26 X 10 ⁶	<2	>99.999	>5.80 Log10
Klebsiella pneumoniae	1.1 X 10 ⁶	2	99.999	5.70 Log10
Listeria monocytogenes	4.7 X 10 ⁶	1.9 X 10 ³	99.9	3.39 Log10
Norovirus Feline	1	≥ 1:49	99.99	4.0 Log10
Norovirus Murine	1 x 10 ⁴	<	99.9	3.0 Log10
Salmonella choleraesuis serotype enteritidis	6.8 X 10 ⁵	2	>99.999	5.50 Log10
Salmonella choleraesuis serotype paratyphi	5.6 X 10 ⁵	<2	>99.999	>5.50 Log10
Salmonella choleraesuis serotype pullorum	8.9 X 10 ⁵	<2	>99.999	>5.70 Log10
Salmonella choleraesuis serotype typhimurium	7.7 X 10 ⁵	6	>99.999	>5.10 Log10
Salmonella typhi	1.27 X 10 ⁶	2	99.999	5.80 Log10
Shigella dysenteriae	1.3 X 10 ⁶	<2	>99.999	>5.80 Log10
Shigella flexneri	1.39 X 10 ⁶	2.8 X 10 ¹	99.99	4.69 Log10
Shigella sonnei	2.43 X 10 ⁷	2.0 X 10 ¹	99.9999	6.09 Log10
Staphylococcus aureus	6.7 X 10 ⁶	<2	>99.9999	>6.53 Log10
Staphylococcus aureus Methicillin Resistant (MRSA)	1.23 X 10 ⁷	3.8 X 10 ³	>99.9	3.51 Log10
Staphylococcus epidermidis	7.2 X 10 ⁵	<2	99.999	5.56 Log10
Streptococcus pneumonia	6.4 X 10 ⁵	<2	>99.999	>5.51 Log10
Streptococcus pyogenes	1.77 X 10 ⁶	<2	>99.999	>5.90 Log10
Vibrio cholera	4.7 X 10 ⁵	<2	>99.999	>5.40 Log10
Xanthomonas axonopodis (Citrus Canker)	1.28 X 10 ⁶	3.6 X 10 ¹	>99.99	4.55 Log10
Yersinia enterocolitica	2.23 X 10 ⁶	3.8 X 10 ¹	99.99	4.77 Log10

in partnership with



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Foaming Hand Sanitizer

