

Target Organism	Method	Contact Time	Available Chlorine Concentration	Surface Type/ Log Reduction
<b>PRE-CLEANED SURFACES</b>				
<i>Campylobacter jejuni</i> <i>Listeria monocytogenes</i> <i>Salmonella enterica</i> <i>Pseudomonas aeruginosa</i> Methicillin Resistant Staphylococcus aureus (MRSA)	Time-kill assay	10 seconds	200 ppm	Hard, Non-porous
<i>Feline calcivirus (norovirus surrogate)</i>		10 seconds		
<i>Clostridium perfringens</i>		1 minute		
<i>Campylobacter jejuni</i>	AOAC Use-dilution method	10 minutes	200 ppm	Hard, Non-porous
<i>Salmonella enterica</i> <i>Staphylococcus aureus</i>	AOAC available chlorine in disinfectants	1 minute	165 ppm	
<i>Salmonella enterica</i> <i>Staphylococcus aureus</i> <i>Pseudomonas aeruginosa</i> <i>Listeria monocytogenes</i>	AOAC Use-dilution method 961.02	10 min		
<b>CLEAN CONDITIONS</b>				
<i>Wild Yeast</i> <i>Candida albicans</i>	BSEN 1650	1 minute	165 ppm	> 4.6
<i>Penicillium citrinum</i> <i>Penicillium corylophilum</i>			182 ppm	> 3.8
<i>Lactobacillus plantarum</i>	BSEN 13727		165 ppm	> 5.1

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<b>PRE-CLEANED SURFACES</b>				
<b>ENVELOPED VIRUS</b>				
Bovine Viral diarrhea virus (Hepatitis C surrogate) Human Coronavirus	AOAC Use-dilution method	10 minutes	200 ppm	Hard, Non-porous
			170 ppm	
SARS-related CoV-2, BEI Resources NR52281, Strain isolate USA-WA1/2020	ASTM E1053	1 minute	165 ppm	
<b>SOILED SURFACES</b>				
<b>ENVELOPED VIRUS</b>				
Human Immunodeficiency virus type 1 (HIV-1) Influenza A (H1N1) virus 2009-H1N1 Influenza A virus (Novel H1N1) Herpes Simplex virus type 2 Avian Influenza A (H7N9) virus	AOAC Use-dilution method with 5% soil load	10 minutes	165 ppm	Hard, Non-porous
SARS-related CoV-2, BEI Resources NR52281, Strain isolate USA-WA1/2020	ASTM E1053			
<b>NON-ENVELOPED VIRUS</b>				
Poliovirus type 1 Feline Calicivirus	AOAC Use-dilution method with 5% soil load	10 minutes	165 ppm	Hard, Non-porous