

Disinfection	Use Method	Contact Time	Study Conclusion
Gram Negative Bacteria			
Acinetobacter baumannii ATCC 19606	AOAC Use-Dilution	10 min.	Disinfection
Pseudomonas aeruginosa ATCC 15442	AOAC Use-Dilution	10 min.	Disinfection
Legionella pneumophila ATCC 33153	AOAC Use-Dilution	10 min.	Disinfection
Salmonella enterica ATCC 10708	AOAC Use-Dilution	10 min.	Disinfection
Klebsiella pneumoniae (NDM-1) ATCC BAA-2146	AOAC Use-Dilution	10 min.	Disinfection
Escherichia Coli ATCC 11229	AOAC Use-Dilution	10 min.	Disinfection
Bordetella bronchiseptica ATCC 10580	AOAC Use-Dilution	10 min.	Disinfection
Chlamydia psittaci, Strain 6BC, ATCCVR-125	AOAC Use-Dilution	10 min.	Disinfection
Gram Positive Bacteria			
Staphylococcus aureus MRSA ATCC 33592	AOAC Use-Dilution	10 min.	Disinfection
Staphylococcus aureus ATCC 6538	AOAC Use-Dilution	10 min.	Disinfection
Listeria monocytogenes ATCC 15313	AOAC Use-Dilution	10 min.	Disinfection
Mycobacterium bovis- BCG	AOAC Use-Dilution	10 min.	Disinfection

Penicillin- Resistant Streptococcus pneumoniae, ATCC# 700677	AOAC Use-Dilution	10 min.	Disinfection
Envelope Viruses	Use Method	Contact Time	Study Conclusion
Swine Influenza (H1N1) Virus**	Virucidal Efficacy	5 min.	Complete inactivation
Respiratory Syncytial virus, ATCC VR-26**	Virucidal Efficacy	5 min.	Complete inactivation
Influenza B Virus (Strain B/Taiwan/2/62), ATCC VR-1735**	Virucidal Efficacy	5 min.	Complete inactivation
Hepatitis A Virus ATCC VR-1541**	Virucidal Efficacy	5 min.	Complete inactivation
Hepatitis B Virus Duck Hepatitis**	Virucidal Efficacy	5 min.	Complete inactivation
Hepatitis C Virus Bovine Viral Diarrhea Virus**	Virucidal Efficacy	5 min.	Complete inactivation
Human Immunodeficiency Virus (HIV Type 1) Strain HTLV-IIIb**	Virucidal Efficacy	5 min.	Complete inactivation
Hantavirus (Prospect Hill Virus) University of Ontario**	Virucidal Efficacy	5 min.	Complete inactivation
Canine Distemper Virus, Strain Snyder Hill, ATCC VR**	Virucidal Efficacy	5 min.	Complete inactivation
Severe Acute Respiratory Syndrome-Related Coronavirus 2 (SARS-CoV-2) (COVID-19 Virus)	Virucidal Efficacy	5 min.	Complete inactivation
Feline Herpesvirus 1 Strain C-27, ATCC VR-636**	Virucidal Efficacy	10 min.	Complete inactivation
Canine coronavirus, Strain 1-71, ATCC VR-809**	Virucidal Efficacy	10 min.	Complete inactivation

***No precleaning required for the contact time listed.*

Canine Influenza (H3N8) virus, Strain A/Ca/NY/105913/08, Cornell University**	Virucidal Efficacy	10 min.	Complete inactivation
Feline coronavirus, Strain WSU 79-1683, ATCC VR 989**	Virucidal Efficacy	10 min.	Complete inactivation
Feline Infectious Peritonitis Virus, Strain: WSU 79 1146, ATCC# VR-990**	Virucidal Efficacy	10 min.	Complete inactivation
Rabies Virus, Strain: Flury (HEP), ATCC VR-139**	Virucidal Efficacy	10 min.	Complete inactivation
Herpes Simplex Virus 1 (Human), Strain HF, ATCC VR-260**	Virucidal Efficacy	10 min.	Complete inactivation
Avian Influenza (H5N1) Virus (VNH5N1-PR8/CDC-RG), CDC #2006719965, Charles River Laboratories	Virucidal Efficacy	10 min.	Complete inactivation
Porcine Reproductive and Respiratory Syndrome type 2 Virus, Strain NVSL (North America), NVSL 130 PDV	Virucidal Efficacy	10 min.	Complete inactivation
Porcine Epidemic Diarrhea Virus, Strain CO 2013, USDA APHIS 025-PDV001	Virucidal Efficacy	10 min.	Complete inactivation
Non-Envelope Viruses			
Rotavirus, Strain WA **	Virucidal Efficacy	5 min.	Complete inactivation
Norovirus Feline Calicivirus**	Virucidal Efficacy	5 min.	Complete inactivation
Murine Norovirus (MNV-1)**	Virucidal Efficacy	5 min.	Complete inactivation
Adenovirus 1, Strain Adenoid 71, ATCC VR-1**	Virucidal Efficacy	10 min.	Complete inactivation
Canine adenovirus 1, Strain Utrecht, ATCC VR-293**	Virucidal Efficacy	10 min.	Complete inactivation

**No precleaning required for the contact time listed.

Canine Parvovirus, Strain Cornell-780916, ATCC VR-2016**	Virucidal Efficacy	10 min.	Complete inactivation
Feline panleukopenia virus, Strain Philips-Roxane, ATCC VR-648**	Virucidal Efficacy	10 min.	Complete inactivation
Food Contact Sanitizer Dilution Rate: 9:1	Use Method	Contact Time	Study Conclusion
Escherichia coli ATCC 11229	AOAC Food Contact Sanitization	60 sec.	99.999 Kill (no rinse required)
Staphylococcus aureus ATCC 33592	AOAC Food Contact Sanitization	60 sec.	99.999 Kill (no rinse required)

***No precleaning required for the contact time listed.*

Carpet Sanitizer Dilution Rate: 5:1	Use Method	Contact Time	Study Conclusion
Staphylococcus aureus ATCC 6538	DIS/TSS-8 Carpet Sanitizer	60 min.	99.9 Carpet Sanitizer
Enterobacter aerogenes ATCC 13048	DIS/TSS-8 Carpet Sanitizer	60 min.	99.9 Carpet Sanitizer
Soft Surface Sanitizer	Use Method	Contact Time	Study Conclusion
Staphylococcus aureus ATCC 6538	Soft Surface Sanitization	5 min.	Sanitization
Enterobacter aerogenes ATCC 13048	Soft Surface Sanitization	5 min.	Sanitization
Fungi on Surface	Use Method	Contact Time	Study Conclusion
Aspergillus niger ATCC 6275	Mildewstat	10 min.	> 4 weeks protection
Trichophyton rubrum ATCC MYA	Fungicide	10 min.	No germination of spores
Trichophyton mentagrophytes ATCC 9533	Fungicide	10 min.	No germination of spores

Not EPA approved organisms	Use Method	Contact Time	Study Conclusion
Stachybotrus Chartarum	Sporicidal Viability	10 min.	No germination of spores
Aspergillus Fumigatus	Sporicidal Viability	10 min.	No germination of spores
Alternaria Alternata	Sporicidal Viability	10 min.	No germination of spores
Penicillum sp	Sporicidal Viability	10 min.	No germination of spores