

# COVID-19 | Coronavirus

## Report: 2020-03-09

## Surface Disinfection Methods

Given the rapid spread of the illness, all suggested cleaning and prevention methods are based on the efficacy of these products against similar viruses. As more direct evidence is published, it will be updated on this list. **Contact the manufacturers and your local public health agency for local regulations and use instructions.** Brands are listed only for reference and do not represent a complete list. Products are listed in alphabetical order and not in order of efficacy, as it is still inferred at this point. If there are any omissions, please contact [info@IC.tips](mailto:info@IC.tips) identifying the evidence, including registration where applicable.

Product	Commercial Name(s)	Registration	Efficacy*	Notes
Accelerated Hydrogen Peroxide	Oxivir (Diversey)	EPA	<i>Human coronavirus, Hep C, Influenza A, Swine Influenza A (H1N1)</i>	60 second contact time
Ethanol	Ethanol	Not required	Most viruses	
Hydrogen Peroxide/Peracetic Acid	Virasept (Ecolab Inc)	EPA	<i>Human coronavirus, Hep C, Influenza A, Swine Influenza A (H1N1)</i>	
Isopropyl alcohol	Klercide (Ecolab)	EPA		

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Product	Commercial Name(s)	Registration	Efficacy*	Notes
Quaternary Ammonium Compounds (Quats)	<ul style="list-style-type: none"> <li>-Condor2 (WM --Barr)</li> <li>-Stepan Spray Disinfectant</li> <li>- Sterilex Ultra Step (various)</li> <li>- Lysol Disinfectants (various)</li> <li>- Clorox Disinfecting Cleaner (various)</li> <li>-Lonza Formulations (various)</li> <li>-Peak Disinfectants (North American Infection Control)</li> <li>-Sani-Prime Germicidal Spray (Professional Disposables International)</li> </ul>	EPA		
Silver dihydrogen citrate	Pure Hard Surface (Clearly Better)	EPA	<i>Human coronavirus, Rhinovirus, Rotavirus, Respiratory Syncytial Virus (RSV), Hep B, Hep C, Influenza A (H1N1); Swine Influenza A (H1N1)</i>	30 to 60 second contact time for viruses

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Product	Commercial Name(s)	Registration	Efficacy*	Notes
Sodium dichloroisocyanurate (NaDCC tablet)	Klorkleen (Kersia) PurTabs/Pur:One (EvaClean)  Defender (Lighthouse)  C. diff tablet (3M)  BruTabs (Brulin)	EPA	Hep A, Hep B, Porcine Epidemic Diarrhea virus (PEDs), Influenza Virus H1N1, Norovirus	Kill time of 1 min at 4,000 PPM
Sodium hypochlorite	-Bleach  -Clorox Healthcare Fuzion (Clorox)  -Avert (Diversey)	EPA	Most enveloped viruses	
Ultraviolet C (UVC)	Surfacide UV	Not required	MERS-CoV, <i>Pseudorabies virus</i> (PRV), <i>Porcine reproductive and respiratory syndrome virus</i> (PRRSV), <i>Porcine epidemic diarrhea virus</i> (PEDV), <i>Bovine viral diarrhea virus</i> (BVDV), <i>Classical swine fever virus</i> (CSFV), <i>Swine influenza virus</i> (SIV)	>5 log10 reduction in 5 minutes

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Product	Commercial Name(s)	Registration	Efficacy*	Notes
Ultraviolet C (UVC)	Sanuvox (PrescientX)	Not required	MERS-CoV, <i>Pseudorabies virus</i> (PRV), <i>Porcine reproductive and respiratory syndrome virus</i> (PRRSV), <i>Porcine epidemic diarrhea virus</i> (PEDV), <i>Bovine viral diarrhea virus</i> (BVDV), <i>Classical swine fever virus</i> (CSFV), <i>Swine influenza virus</i> (SIV)	>5 log10 reduction with >20 mJ/cm <sup>2</sup> UV dosage for most viruses
Chlorine dioxide (ClO <sub>2</sub> )	Prokure V (Prokure)	EPA	<i>Hepatitis A</i> , <i>Rhinovirus type 37</i> , <i>Coronavirus</i> , <i>Influenza A</i> , <i>Influenza A</i> .	

\*Only relevant organisms to Coronavirus are listed. Please contact the manufacturers and your local public health agency for local regulations and use instructions.

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