

Coronavirus Disease 2019 (COVID-19) and Metrex Surface Disinfectants

March 13, 2020

Protocols for Disinfection Efficacy on COVID-19

As of the date of this writing, there is currently no EPA recognized test protocol to evaluate disinfection efficacy against this specific novel coronavirus virus strain, SARS-CoV-2 (Severe Acute Respiratory Syndrome Coronavirus 2), which causes COVID-19 (Coronavirus Disease 2019). Therefore, there is no EPA-registered surface disinfectant that bears a label claim against SARS-CoV-2 as of the date of this writing.

All coronavirus strains are enveloped viral particles that belong to the same virus family of *Coronaviridae*. Enveloped viral particles are typically more susceptible to chemical disinfectant formulations than are other pathogens¹.

CDC's interim recommendations for infection prevention and control now state that the use of EPA-registered, hospital-grade disinfectants are appropriate for SARS-CoV-2 in the healthcare settings.² The following [Metrex products](#) meet this guideline:

- [CaviWipes](#)
- [CaviCide](#)
- [CaviWipes1](#)
- [CaviCide1](#)
- [CaviWipes Bleach](#)
- CaviCide Bleach

The CDC also refers to the EPA's List N that lists EPA-registered disinfectants products with Emerging Viral Pathogens and Human Coronavirus claims for use against SARS-CoV-2. This list is actively being updated by the EPA to include additional disinfectants that meet EPA's criteria.³

Refer to any updates on the EPA's List N here:

www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2

The following Metrex products have been included onto the EPA's List N:³

- CaviCide⁸
- CaviWipes1⁴
- CaviCide1⁵
- CaviWipes Bleach⁶
- CaviCide Bleach⁷

The table below gives an overview of the information discussed above:

	Emerging Viral Pathogen Claim / Contact Time	EPA-registered, Hospital-Grade Disinfectant / Contact Time
CaviWipes	-	YES / 3 minutes
CaviCide	-	YES / 3 minutes
CaviWipes1	YES / 3 minutes	YES / 1 minute
CaviCide1	YES / 3 minutes	YES / 1 minute
CaviWipes Bleach	YES / 3 minutes	YES / 3 minutes
CaviCide Bleach	YES / 3 minutes	YES / 3 minutes

REFERENCES:

1. Sattar, S. "Hierarchy of Susceptibility of Viruses to Environmental Surface Disinfectants: A Predictor of Activity Against new and Emerging Viral Pathogens". Journal of AOAC International. 2007. Vol 90.6. https://www.researchgate.net/publication/5657319_Hierarchy_of_Susceptibility_of_Viruses_to_Environmental_Surface_Disinfectants_A_Predictor_of_Activity_Against_New_and_Emerging_Viral_Pathogens. Accessed 3.3.2020.
2. Interim Infection Prevention and Control Recommendations for Patients with Confirmed Coronavirus Disease 2019 (COVID-19) or Persons Under Investigation for COVID-19 in Healthcare Settings. https://www.cdc.gov/coronavirus/2019-ncov/infection-control/control-recommendations.html?CDC_AA_refVal=https%3A%2F%2Fwww.cdc.gov%2Fcoronavirus%2F2019-ncov%2Fhcp%2Finfection-control.html. Accessed 3.11.2020.
3. List N: Disinfectants for Use Against SARS-CoV-2. <https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2>. Accessed 3.11.2020
4. CaviWipes1 Master Label from retrieved from EPA's Pesticide Product and Label System. https://iaspub.epa.gov/apex/pesticides/f?p=PPLS:8::NO::P8_PUID,P8_RINUM:504032,46781-13. Accessed 3.3.2020.
5. CaviCide1 Master Label from retrieved from EPA's Pesticide Product and Label System. https://iaspub.epa.gov/apex/pesticides/f?p=PPLS:8::NO::P8_PUID,P8_RINUM:503807,46781-12. Accessed 3.3.2020.
6. 7. CaviWipes Bleach Master Label from retrieved from EPA's Pesticide Product and Label System. https://iaspub.epa.gov/apex/pesticides/f?p=PPLS:8::NO::P8_PUID,P8_RINUM:521508,46781-14. Accessed 3.3.2020.
7. CaviCide Bleach Master Label from retrieved from EPA's Pesticide Product and Label System. https://iaspub.epa.gov/apex/pesticides/f?p=PPLS:8::NO::P8_PUID,P8_RINUM:522158,46781-15. Accessed 3.3.2020.
8. CaviCide Master Label from retrieved from EPA's Pesticide Product and Label System. https://iaspub.epa.gov/apex/pesticides/f?p=PPLS:8::NO::P8_PUID,P8_RINUM:27348,46781-6. Accessed 3.3.2020.
9. Xu et. al., Systematic Comparison of Two Animal-to-Human Transmitted Human Coronaviruses: SARS-CoV-2 and SARS-CoV, *Viruses* **2020**, 12, 244, doi:10.3390/v12020244.