Instant UV With NuvaWave™ – A Chemical-Free Solution That Deactivates SARS-CoV-2 in One Second

Instant UV: Why does it matter?

Deadly, Dangerous Pathogens Are Spreading Despite Current Protocols and Technology

Pathogens, like SARS-CoV-2, are invisible and persistent. Multiple studies have revealed that environmental surfaces and patient care items have not been properly cleaned and disinfected; therefore, the healthcare environment can be contaminated (up to 75% depending on the status of cleaning/disinfection).[1] High-touch surfaces in rooms and shared patient care items should be regularly and rigorously cleaned and disinfected for the most effective disinfection results.

There is a stronger need for frequent, non-disruptive disinfection which is critical, especially on high-touch surfaces. Instant UV with NuvaWave is a novel tool that gives any place access to proven UV technology in a portable handheld solution to amplify the positive impact of disinfection.

Instant UV: What is it?

A Proven Chemical-Free Solution

Instant UV with NuvaWave is the first product available proven in third-party laboratory tests to deactivate > 99.9% of the SARS-CoV-2 virus and other dangerous pathogens like MRSA and E.coli on high-touch surfaces in one second using UVC light.

Chemical disinfectants need to remain wet on surfaces for a length of time to properly disinfect against the SARS-CoV-2 virus, while UV towers need to be set up and run for a significant amount of time once a patient has been discharged. Towers can also miss spots in high-touch areas due to shadowing. More often than not, chemical wipes and sprays aren't being used correctly making the disinfection protocol ineffective. Instant UV with NuvaWave can close the gap in current disinfection protocols and help combat pathogen spreading by providing a new supplement for fast yet robust disinfection of sensitive equipment and high-touch surfaces.

NUVA™ WAVE

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Instant UV: How does it work?

Effective Disinfection in One Second

Instant UV with NuvaWave is a new disinfection weapon that unlocks the power of UVC in one second and can be seamlessly integrated into a standard workflow. NuvaWave is simple to use by waving the device two inches above the surface to effectively disinfect. This easy approach of harnessing UV disinfection in a targeted, portable manner is specifically designed to meet the day-to-day disinfection needs in healthcare environments.

Unlike chemical wipes or sprays, Instant UV with NuvaWave can be used on sensitive devices, equipment, and tools allowing you to safely disinfect on a more routine basis. As seen in a study, equipment devices exposed to routine chemical disinfection saw varied levels of damage after 6 months.[2] Instant UV does not require prolonged exposure or dry out or degrade materials.

It's registered with the EPA, certified with SGS for safety standards, and has proven results with third-party lab tests to kill > 99.9% of the SARS-CoV-2 virus and other dangerous pathogens like MRSA and E.coli on high-touch surfaces.

Instant UV: Who needs it?

If You Want One Second, Targeted UV Disinfection

The COVID-19 pandemic has shined a light on the inadequacy of current protocols in place. Workers in occupations which bring them in close physical proximity to other people (co-workers, patients, customers, etc.), particularly when working in indoor settings or with shared transport or accommodation, are more exposed to and at higher risk of COVID-19.[3]

Additionally, applying aerosolized disinfectants can be harmful to those who clean—cleaning workers have the highest rates of occupational asthma.[4] New pathogen control practices like Instant UV with NuvaWave will be important to reduce pathogens and further reduce unnecessary risk in the workplace.

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1 Kanamori H, Weber D, Rutala W, Role of the Healthcare Surface Environment in Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Transmission and Potential Control Measures, *Clinical Infectious Diseases*, ciaa1467, https://doi.org/10.1093/cid/ciaa1467

2 Assessment of early onset surface damage from accelerated disinfection protocol. 2019 https://aricjournal.biomedcentral.com/articles/10.1186/s13756-019-0467-9

3 European Centre for Disease Prevention and Control. COVID-19 clusters and outbreaks in occupational settings in the EU/EEA and the UK. 2020. https://www.ecdc.europa.eu/en/publications-data/covid-19-clusters-and-outbreaks-occupational-settings-eueea-and-uk

4 Del Re, D., Ikeno, C., Smid, K., Swift, D. (2015). Effects of Disinfectant Wipes on Touch Screen Surfaces. *American Journal of Infection Control*. Retrieved from https://www.ajicjournal.org/article/S0196-6553(15)00295-3/fulltext