

UVC 222 DOTS



UVC 222 Dots are the first dosimeters designed for Far UV-C devices. Using a patented photochromic ink, the Dots react to UV-C 222 nm and reveal a check mark at 5 mJ/cm² and will continue to change color to indicate dose levels of 20, 50, 100 and 150 mJ/cm².

Conveniently sized at 1" diameter, the adhesive Dots can be peeled off the card and placed on a variety of surfaces. After exposure to UV-C, the accumulated dose can be determined using the Color Reference Chart included in each pouch. For best results, take exposure readings immediately after a disinfection cycle.

UVC Dosimeters are an important tool to achieve optimal UV-C disinfection by enabling operators to:

- See if a target dose of UVGI has been delivered
- Know if the UV-C equipment is working properly
- Show staff, guests and customers that you're providing a safe, hygienic environment
- Provide 3rd party evidence of safe operation



INTELLEGO
TECHNOLOGIES

UVC Dosimeters are
manufactured by Intellego
Technologies AB, Sweden

UVC 222 DOTS

Designed for use with Far UVC devices

Understanding Dose & Pathogen Inactivation

As with all wavelengths within the UV-C spectrum, it is critical to identify how much germicidal irradiation is delivered. There are no known pathogens that are resistant to UV-C, but inactivation is dependent on the amount of UVGI delivered.

A recent study using 222 nm found that a dose of 3 mJ/cm² was able to achieve a 99% reduction of SARS-CoV-2. Earlier studies have shown that a dose of 10 mJ/cm² can achieve a 99.99% reduction of E. coli and Pseudomonas aeruginosa, and a dose of 20 mJ/cm² can achieve a 99.99% reduction of Staph aureus. With UVC Dosimeters, users have a simple, visible method to measure and monitor Far UV-C device performance.

A compilation of studies showing UV doses required for inactivation of bacteria, viruses, spores and fungi is available at iuva.org/Guidance-Documents.

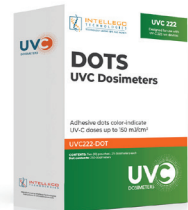
- For use with 222 nm devices (Far UV-C)
- Provides visible evidence of UVGI at doses of 20, 50, 100 and 150 mJ/cm²
- Ideal for validating performance, maintenance checks, device comparisons and ensuring TLVs are not exceeded
- Low-cost, easy-to-use
- Validated by RISE: Research Institutes of Sweden
- 3-year shelf life
- Designed and manufactured in Sweden

According to a 2021 study published in Infection Control & Hospital Epidemiology, the researchers concluded:

“There is a need for practical tools for monitoring doses delivered by UV-C devices. Our results suggest that colorimetric indicators could be useful tools to compare different devices, assess delivery of UV-C to different sites in patient rooms and confirm that in-use devices are operating correctly.”

Order Information

To learn more or request pricing, visit UVCdosimeters.com or email info@intellego-technologies.com



UVC 222 DOTS

Product SKU	Packaging
UVC222-DOTS	25 Dosimeters + 1 Color Reference Chart per Pouch 10 Pouches per Box



For more information, including links to scientific studies and reports cited in this document, please scan the QR code.

UVC Dosimeters are designed to provide a visual indication of applied UV-C energy during a disinfection cycle and are not a substitute for microbiological verification of disinfection. Store at room temperature and away from direct sunlight. **Do not reuse.**

