

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



ES France - Département Bio-tests & Industries
127 rue de Buzenval BP 26 - 92380 Garches



Tél. 01 47 95 99 90
Fax. 01 47 01 16 22



e-mail : bio@es-france.com
Site Web : www.es-france.com

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.

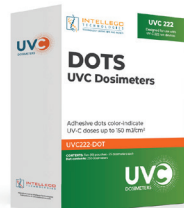
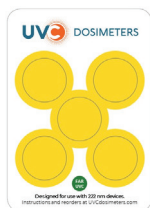
A recent study using 222 nm found that a dose of 3 mJ/cm² was able to achieve a 99% reduction of SARS-CoV-2. Earlier studies have shown that a dose of 10 mJ/cm² can achieve a 99.99% reduction of E. coli and Pseudomonas aeruginosa, and a dose of 20 mJ/cm² can achieve a 99.99% reduction of Staph aureus. 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."



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

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.**



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