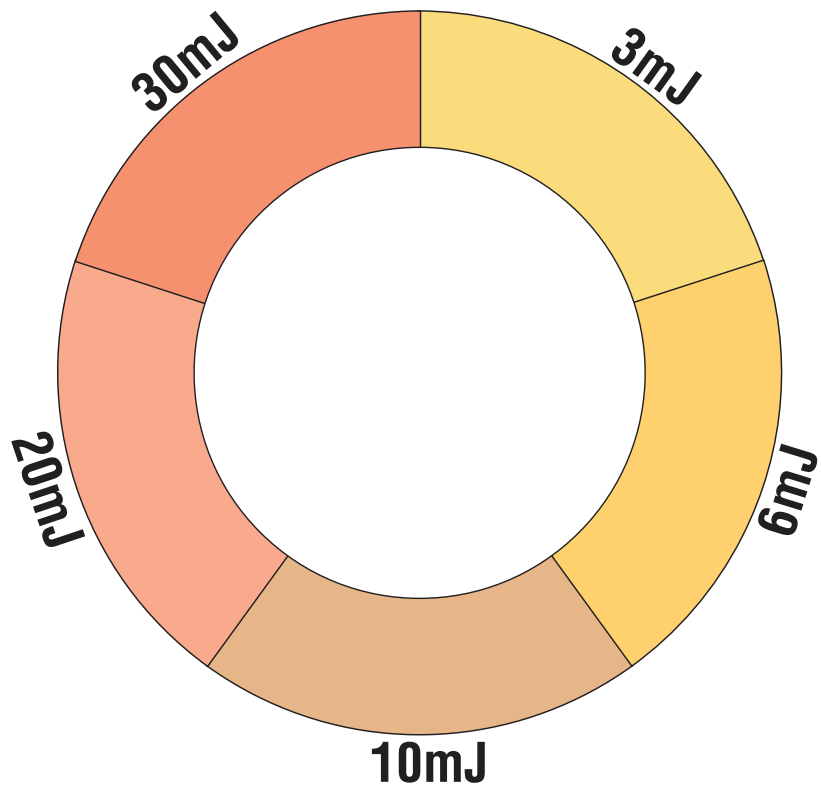


Dose222™ Far UV-C Indicator Cards

Easy-to-use 222 nm UV radiation exposure measurement



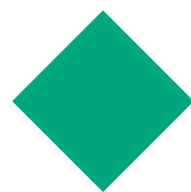
Date _____
Start Time _____
End Time _____
Room _____
Location _____



Check mark will appear in centre when dose indicator card is exposed to 4 mJ/cm² of Far UV-C



How to use Dose222™: Position Dose222™ Indicator card at preferred location to directly expose it to filtered 222 nm UV light for a desired time frame. As exposure dosage increases, the centre circle will change in color depending on how much filtered 222 nm UV light is received. Use the colour code indicators surrounding the centre circle exposure area to match the approximate amount of dosage received within the time frame. A check mark will appear when dose indicator card has been exposed to 4 mJ/cm² of filtered 222 nm far UV-C light.



Species	Reported Dose for 3-log Reduction (mJ/cm ²)*
Bacteria	
E. coli [Escherichia. coli O 157]	9
Salmonella [Salmonella enterica subsp. Enterica serovar Typhimurium]	10
MRSA Staphylococcus aureus [methicillin-resistant S. aureus]	15
Viruses	
SARS-CoV-2 (COVID-19)	3**
Influenza [Influenza A H1N1]	6
Feline Calicivirus [Feline calicivirus (FCV) strain F4]	24

*Refer to website for more information and disclaimer.

**SARS-CoV-2 Dose reported to 97.7% Reduction.

Ensuring full far UV-C exposure safety

Care222[®] filtered 222 nm far UV-C modules achieve microbial reduction in unoccupied and occupied spaces, but to ensure regulations governing UV exposure and output are met, regular UV dose measurements must be taken.

Dose222[™] indicator technology uses a specially-formulated, photo-chromatic ink at the centre of the card. The ink is highly sensitive to 222 nm far UV-C light. As the centre dot receives far UV-C exposure, it will change colour in accordance with the level of dosage received. The colour is then matched to the visual key on the outer ring to determine the radiant energy density. A check mark will also appear in the centre dot after the card has received 4 mJ/cm² of filtered far UV-C light.

Dose222[™] should be used on a regular basis, or at least once per week, in areas operating filtered far UV-C devices. Dose222[™] indicators are designed to provide a visual indication of applied far UV-C dosage within a treatment cycle and are not intended to be used as a substitute for microbiological disinfection verification. Dose222[™] cards must be stored at room temperature, away from direct sunlight and must not be reused.

Developing Solutions Together

Ushio is a partner that listens to your ideas and requirements. Let us optimise your processes according to your specifications and expectations. Use our expertise to develop a tailor-made solution that matches your needs.



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Persons who experience heightened sensitivity to light, or are pregnant, should take standard precautions to limit ultraviolet (UV) exposure. It is not recommended to look directly at the UV lamp when active, as this may cause ocular discomfort in some cases. The photography, graphical representations, and other such depictions of UV radiation in this document are intended for illustrative purposes only.

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