

OCTA-UV Multisystem



Choose light
choose life
be safe



A better and secure future within reach

Eco Light Biosafety specializes in developing innovative solutions using UV-C radiation to inactivate microbiological hazards for all groups of living and inanimate pathogens found in various work environments.

Our company is specialized in the design and construction of technologically advanced hygienic concepts that are fully adapted to the needs of our customers. Biosafety products are constantly improved to ensure the highest quality and effectiveness.

At the center of Eco Light Biosafety attention is the well-being of people, which is why we create versatile and easily accessible decontamination solutions that take into account the diverse needs of people in terms of safety and hygiene, providing them with a peaceful and healthy environment to live and work.

Our commitment to continuous product improvement ensures that we are able to meet the challenges and requirements of our customers, providing them with microbiological safety and comfort at the highest possible level.



Powerful and life-changing technology

Our technology uses UV-C energy with a wavelength of 254 nm, which, according to research, effectively damages the nucleic acid of microorganisms such as viruses, bacteria and fungi.

UV-C radiation is a highly effective means of disinfection because it has the ability to inactivate microorganisms that are present in the air and on surfaces.

This is especially important in places requiring a high level of hygiene, where preventing the spread of harmful microorganisms is of the utmost importance.



Let there be light...

Due to the strong impact on biological materials, UV-C radiation is an effective tool in preventing the spread of pathogenic microorganisms transmitted by air and from surfaces. This method allows you to reduce the risk of infection in hospitals, clinics, laboratories and other places where cleanliness is crucial for health and safety.

It is worth noting that naturally occurring UV-C radiation is completely absorbed by the ozone layer, which is why currently the possibility of emitting this radiation comes only from artificial light sources.

The use of UV radiation in the Eco Light Biosafety technology is not only an effective method of air and surface disinfection, but also an investment in the safety and health of employees and customers in various industries, including medical, office, hotel and food.



Safety first

People and their safety are at the center of our activities. Eco Light Biosafety products are created by the best specialists to meet both national and international requirements and standards.

We listen to the needs of our clients in order to meet their expectations and provide them with the highest quality of services. That is why OCTA-UV Multisystem has been designed with maximum user safety and environmental protection in mind.

Together with the use of the OCTA-UV Multisystem, effective disinfection can be achieved without any negative effects on human health and the environment. That is why our UV-C technology is recognized as a safe and effective disinfection method that can be used in various fields with complete confidence and confidence.

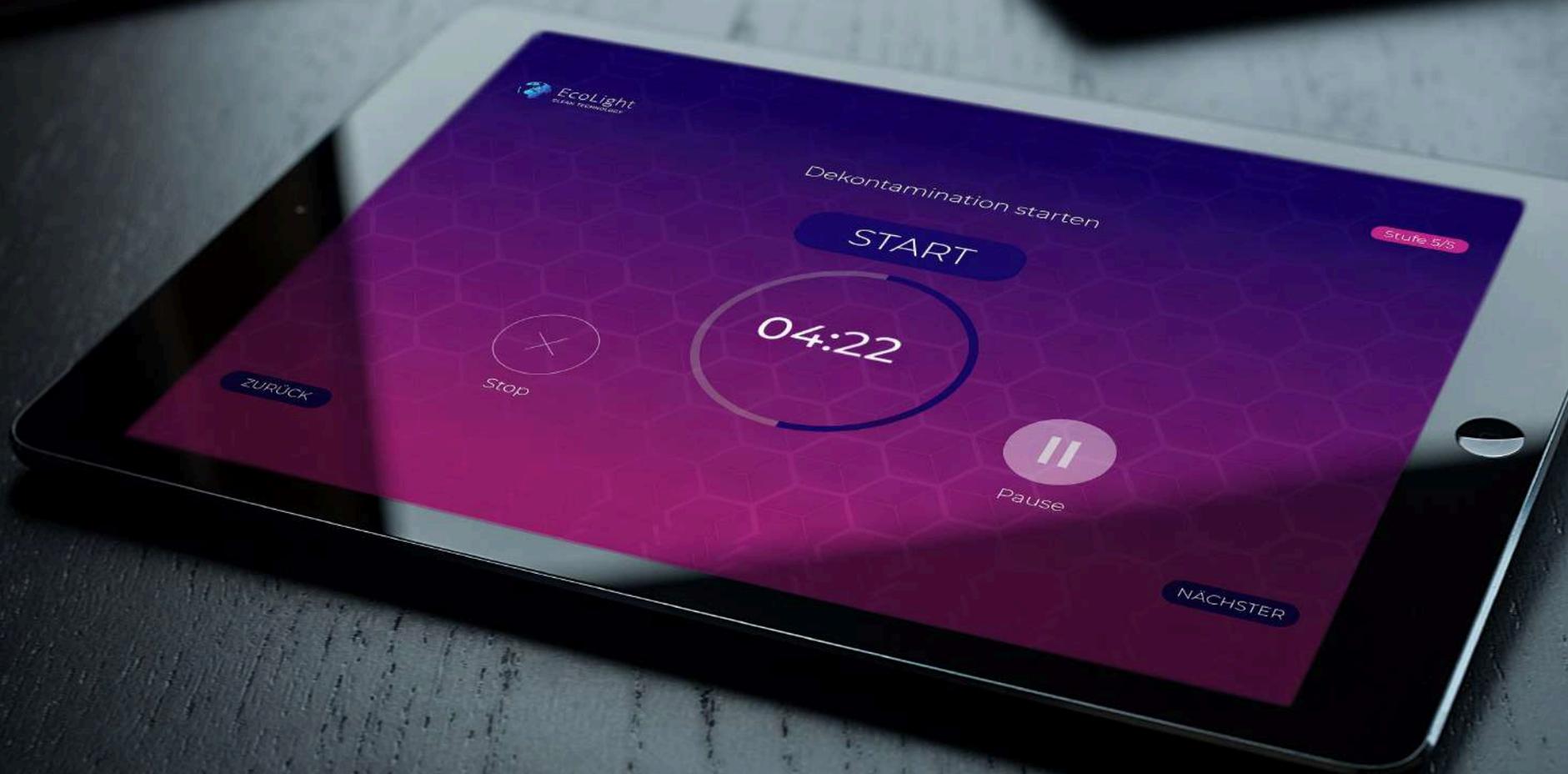


Pathogens don't stand a chance

High-energy UV-C particles easily penetrate the cell wall of microorganisms, destroying their cell structures, inactivating them, preventing them from replication and further multiplication.

We can proudly say that our device is extremely effective in disinfecting surfaces, which is confirmed by specialized laboratory tests. Thanks to the use of UV-C technology, we are able to achieve efficiency up to 99.9999% in inactivating pathogens.

This reduces the risk of spreading infectious diseases, which contributes to improving the hygiene and health of the community. It is an innovative, practical solution that stands out on the market with its effectiveness and efficiency.



Dosimeter Card

A VISUAL INDICATOR USED TO MEASURE AND VERIFY ULTRAVIOLET GERMICIDAL IRRADIATION EXPOSURE ON A SURFACE.

Intellego Technologies, a leading global manufacturer of colorimetric indicators that verify the performance and confirm the effectiveness of UV-C radiation-based disinfection, provides essential support in our commitment to ensuring the safety and efficacy of OCTA-UV Multisystem devices. These dosimeters are indispensable to us, playing a critical role in this endeavor.

Intelligo UV-C dosimeters are designed for measuring exposure to ultraviolet C (UV-C) radiation for disinfection purposes. UV-C radiation is a type of electromagnetic radiation with a wavelength of 200-280 nanometers, which has been shown to effectively kill or inactivate viruses, bacteria, and other pathogens. UV-C dosimeters are used to measure the intensity and exposure time to UV-C radiation during disinfection processes, helping to ensure that the desired level of disinfection is achieved without excessive exposure to UV-C radiation.

There are several reasons why Intelligo is considered one of the best dosimeters on the market. Firstly, Intelligo dosimeters are known for their accuracy and reliability. They use the latest technology to provide highly precise measurements of radiation exposure, which is crucial for ensuring worker safety. These dosimeters are user-friendly, and their small size allows them to be easily placed in various locations. They can be customized to the specific needs of different users and environments, and integrated with other radiation monitoring systems for maximum performance.

HOW UV-C DOSIMETER WORKS?

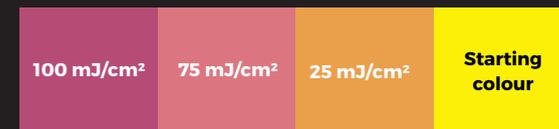
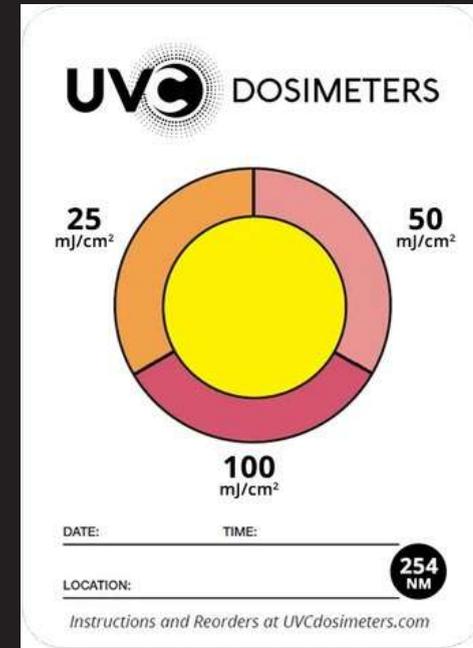
Patented photo chromatic ink changes color to indicate the level of UV-C irradiation on surfaces (275 nm)
Visibly change color from the starting yellow, to orange to light pink to deep pink .

The color change correlates to levels of accumulated UV-C irradiation, which helps users see if surfaces have received enough energy to inactivate pathogens.

Why do we need UV-C Dosimeter Card?

UV-C Dosimeter help users visibly confirm :

- If the effective UVGI dosage is reached to eliminate the specific pathogens as intended.
- If the UV-C disinfection system is correctly positioned and covers all designated surfaces.
- If the UVGI lighting is functioning as intended or if it necessitates maintenance or replacement.



Unleashing Powerful Disinfection with OCTA-UV Multisystem

OCTA-UV Multisystem consists of three communicating emitters that automatically calculate the effective dose of UV-C radiation and thus provide effective UV-C coverage in any room without shading.

The system is characterized by mobility, thanks to which it can be easily transported and used in several rooms.

The OCTA-UV Multisystem is controlled by dedicated software and the easy-to-use and intuitive Smart Check application, which minimizes the risk of making a mistake and enables the decontamination process to be carried out in a few simple steps.



Advantages of using Multisystem OCTA-UV

- The system effectively inactivates up to 99.9999% of viruses and bacteria on surfaces and in the air, including COVID-19, Influenza (influenza), Rhinovirus, SARS, MRSA, Staph, C. diff, and many other dangerous pathogens;
- UV-C disinfection kills drug-resistant pathogens, preventing cross-infections;
- It is a universal and reliable solution available 24 hours a day, 7 days a week;
- A 25 m² room can be clinically cleaned in 3-4 minutes, allowing faster availability of patient rooms, operating blocks, etc.;
- The Smart Check mobile application changes the invisible disinfection process into a transparent and fully auditable one. It generates reports and analyzes the data of performed disinfection processes;
- The system is safe for the user and has a lifespan of UV-C lamps of approximately 9,000 hours;
- The non-toxic and environmentally friendly disinfection process makes it a sustainable option.

APPLICATION SECTORS OF THE OCTA-UV MULTISYSTEM



SECTOR MEDICAL

Hospitals
Clinics
Medical clinics
Specialist medical practices
Medical laboratories
Research centers
Ambulance transport
Medical care homes
Rehabilitation centers
Aesthetic Medicine Clinics
Pharmacies



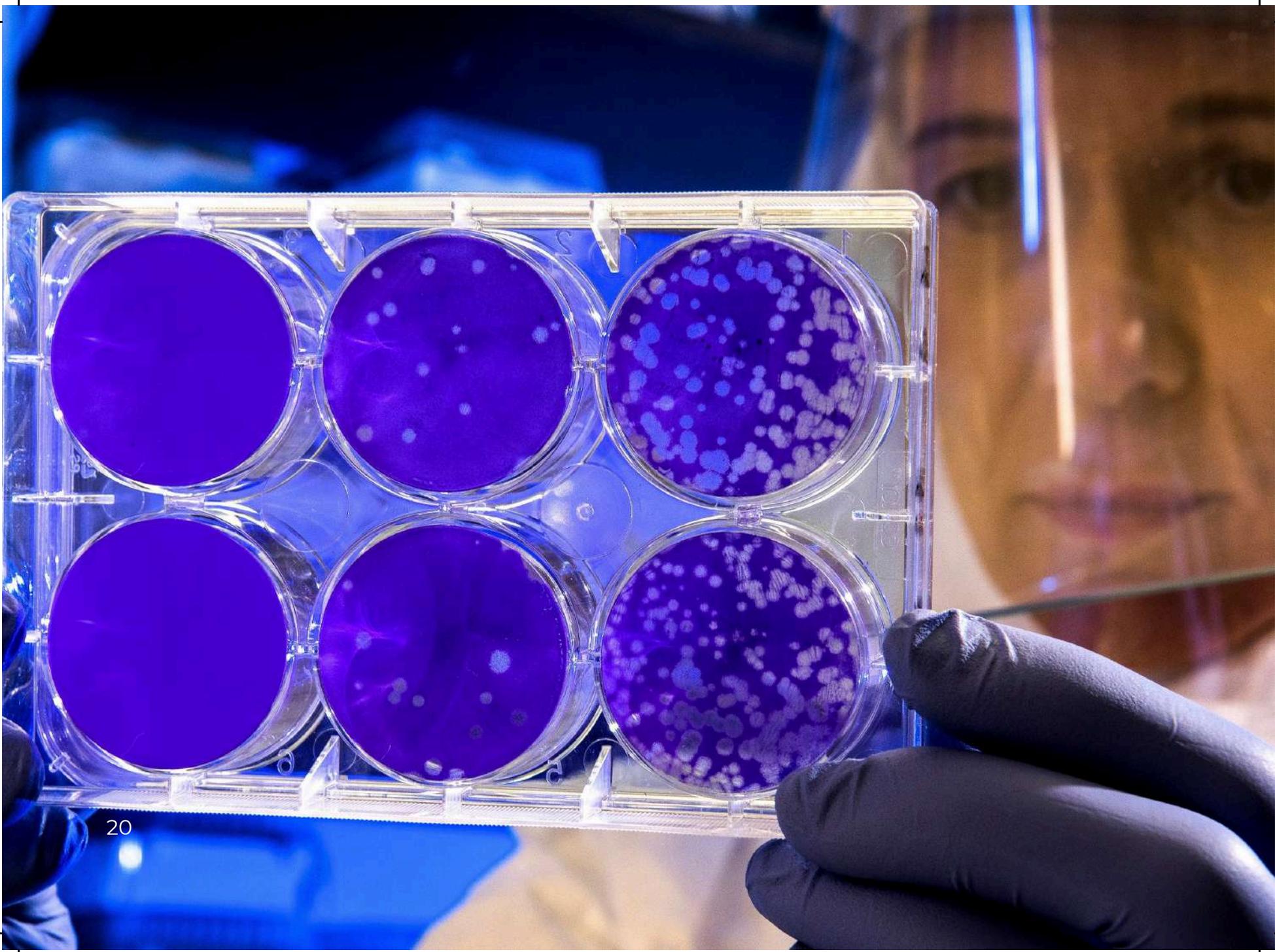
TRADE SERVICES

Offices
Shops
Restaurants
service points
Production
Logistics
Fitness studios
Hairdresser
Tattoo studios
Dance studios



PUBLIC INSTITUTIONS

Offices
Hotels
Schools
Colleges
Kindergartens
Theatres
Cinemas
Public transport



EFFECTIVENESS PROVEN BY LABORATORY TESTS

among others at the Institute of Hospital Hygiene and Infection Control GmbH in Giessen and the Jagiellonian University Medical College in Krakow.

Reduction of pathogens with efficiency up to 99.9999%

ESKAPE GROUP PATHOGENS:

Enterococcus faecalis
Staphylococcal Aureus (MRSA)
Klebsiella pneumoniae
Acinetobacter baumannii
Pseudomonas aeruginosa
Enterobacter species

MULTIRESISTANT BACTERIA AND OTHERS:

Candida Auris
Clostridium difficile (strains: 002, 014, 027)
Escherichia coli ESBL
Acinetobacter baumann
Listeria monocytogenes
Klebsiella pneumoniae NDM



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