UVENTIONS

RETHINK DISINFECTION

REMOVES 99,999 %
OF ALL VIRUSES AND BACTERIA
IN A FEW MINUTES!

UV disinfection of:

Protective masks (PPE),
Cell phones, Computer mice,
Keyboards,
Glasses / Goggles,
Tools, and
many more

UVBASE

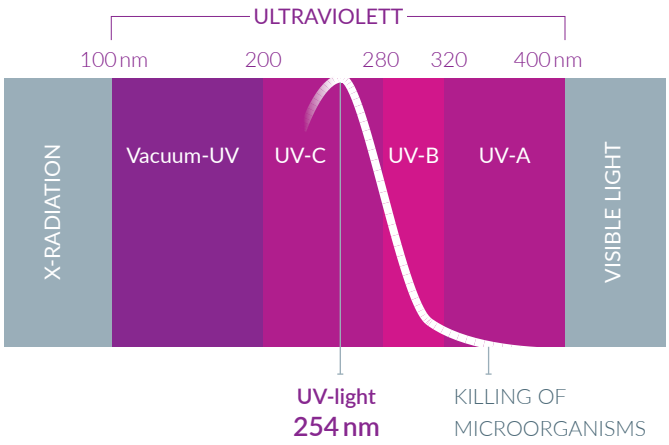
UVBASE

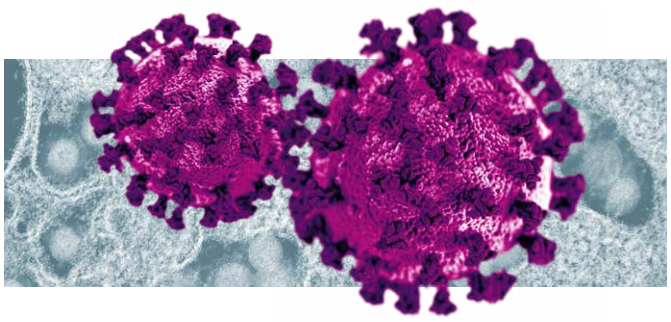
UV radiation

Ultraviolet (UV) radiation, which covers the wavelength range from 100 nanometers (nm) to 400 nm, is the most energy-rich part of optical radiation. UV light is classified according to wavelength (measured in nanometers (nm)):

- > UV-A: 400-320 nm
- > UV-B: 320-280 nm
- > UV-C: 280-100 nm

More than 100 years ago, scientists discovered that UV radiation has the potential to cause viruses and bacteria to be armless. With increasing technical possibilities to better protect users from UV light waves, this process is becoming more and more important.



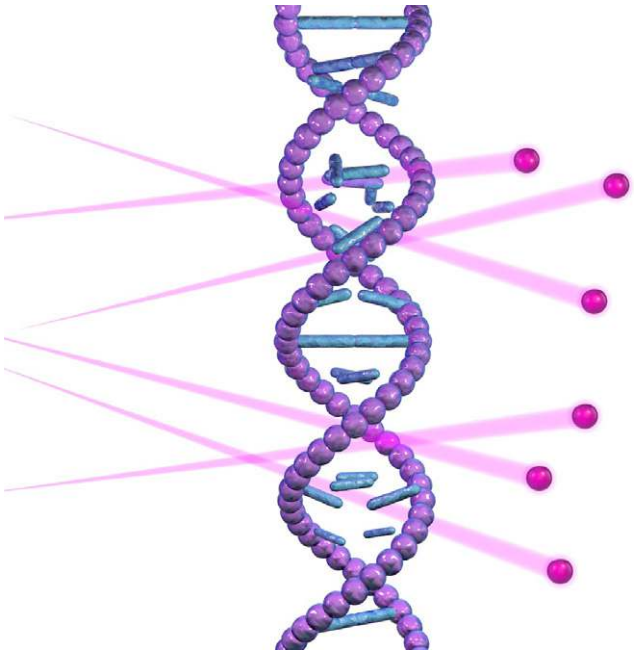


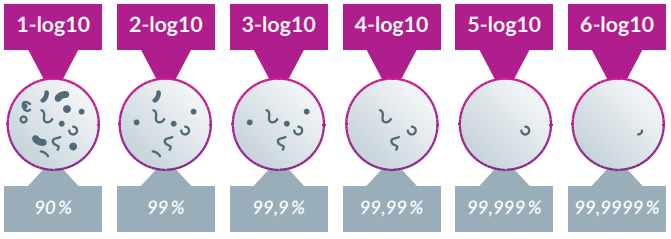
How do viruses and bacteria react to UV light?

UV disinfection is particularly effective at wavelengths between 200 nm and 300 nm, which is why we work with a wavelength of 254 nm. UV-C radiation has a strong viricidal and bactericidal effect. The photons are absorbed by the pathogens' DNA and destroy its structure, inactivating its living cells. Microorganisms such as viruses, bacteria, yeasts and fungi are rendered harmless by UV radiation within seconds.

What do the log10 levels mean?

The „log10 levels" is the unit of measurement that defines the reduction in the number of viable microorganisms. According to the Robert Koch Institute, a disinfectant is considered to be effective if, under the prescribed conditions, there is a reduction in the number of organisms, such as viruses from ≥ 4-log10 levels. This is calculated on the basis of the measured reduction of germs after filtering or cleaning, or as described in case of UVBASE, disinfecting. A log10 level describes the reduction by one power of ten. Thus 1-log10-stage means a reduction of the germs by 90 %. From the original population 100 (10 x 10) only 10 germs have survived. The UVBASE reaches a log level of 4 or 5, meaning a 99.999 % disinfection rate.





Disinfection performance within a few minutes Treatment time

Virucide: **4-LOG10**

Bactericide: **5-LOG10**

Which viruses and bacteria are neutralized?

Generally all microorganisms can be deactivated or killed by UV light. It always depends on the correct radiation dose.

Product illustration may vary

One product - many application possibilities

Many objects in our everyday work life are shared and come in contact with several employees. Reliable disinfection is therefore indispensable to contain the transmission of infection. However, many personal items or items belonging to the employee often have a high bacterial load and require regular disinfection.
With the **UVBASE**, protective masks (PPE) as well as everyday objects, such as mobile phones, computer mice, keyboards, glasses / goggles or tools are disinfected quickly and reliably using UV light.
Due to the individually developed drawer system, several objects can be disinfected at once. An even illumination inside the drawer is achieved by the reflectors as well as the different mounting systems, ensuring optimal disinfection results. The disinfection process only takes a few minutes so that it can be done quickly and easily on the go. The UVBASE is safe for the user because the UV radiation are shielded at all times - even when opening the drawers. The effectiveness of the disinfection performance has been confirmed by an independent laboratory.

- *Removes 99.999 % of all viruses and bacteria*
- *Efficacy test by an independent laboratory*
- *Safe and user-friendly use*
- *Disinfection within a few minutes*
- *Suitable for a wide variety of objects due to individual brackets*
- *Branded UV lamps with a service life of 3 years (at 8 hours operation/day)*
- *Teflon reflectors for uniform illumination of all areas*

Chemical-free disinfection

With disinfection by using UV-C radiation, no chemicals are used. In comparison to chemical disinfection, viruses and bacteria cannot develop resistance to UV light.

Is the UVBASE maintenance-intensive?

The UVBASE is equipped with durable components. The UV tubes have a lifetime of 3 years, with a running time of 8 hours per day. The internal space of the **UVBASE** can be cleaned quickly and safely through the inspection door at the rear.

Technical data of the UVBASE

- Sturdy tabletop unit, approx. 60 x 34 x 54 cm (W x H x D)/ approx. 30 kg
- Non-slip feet for secure hold and stackable
- Stainless steel housing, easy to disinfect
- Inspection door for internal cleaning
- Internal dimensions of the drawer: 48 x 13 x 22 cm (W x H x D)
- Certified CE conformity LVD (DIN EN 61010-1), EMC (DIN EN 61326-1)
- Safety certification as laboratory device (DIN EN 61010-1)
- Power supply: 240 VAC, 50 Hz
- Connected load: approx. 130 Watt
- UV-C Light: 254 nm
- UV-C total output: 35 Watt

Notice

The **UVBASE** is not certified as a medical device. It is only intended for use in non-medical areas and is therefore CE-conform according to the relevant EU directives (see Technical Data).

MADE IN GERMANY

Your distribution partner*:

* Distribution exclusively to professionals and public institutions

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