

UV Smart

D25

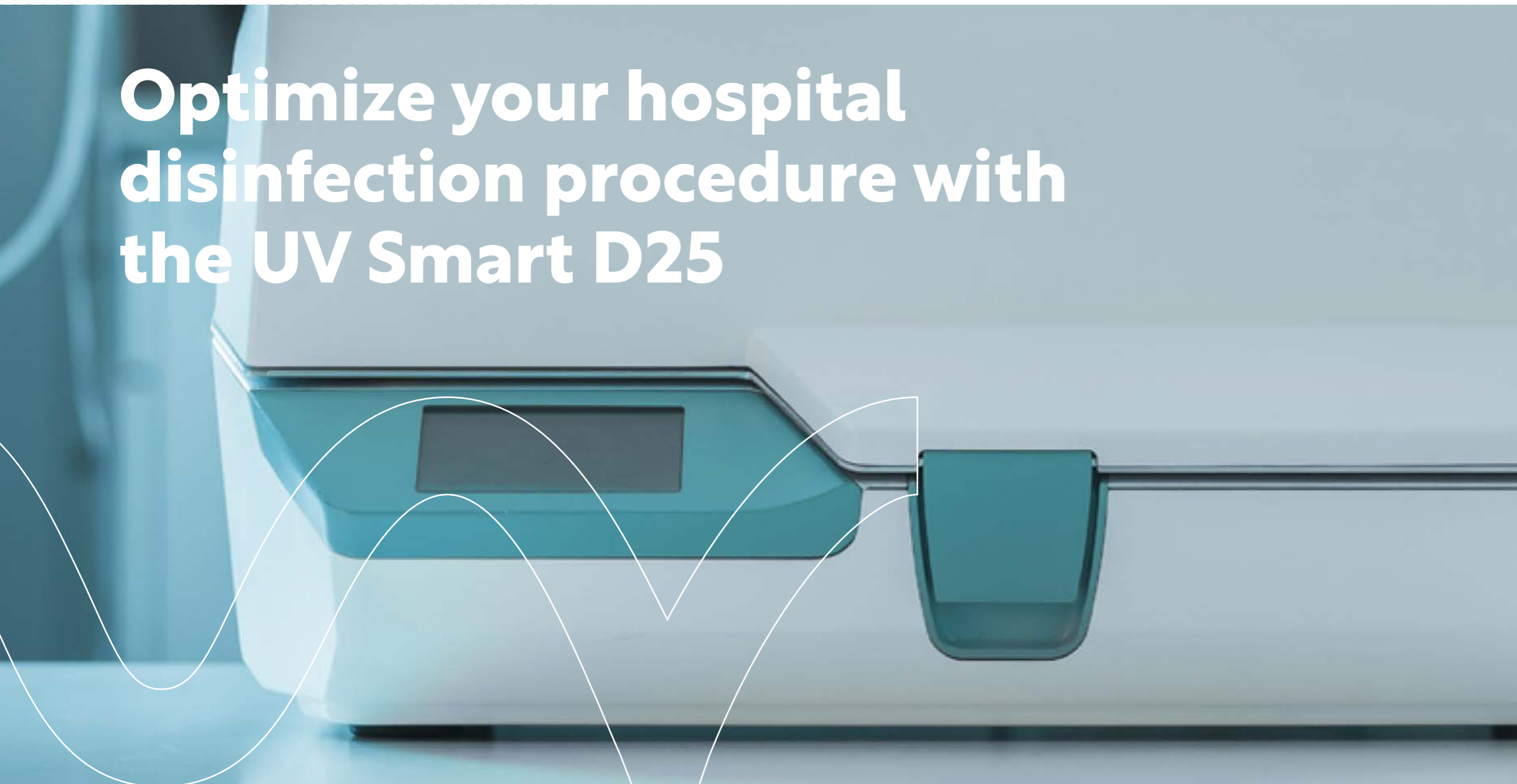
Automated UV based disinfection in 25 seconds



 UVsmart

uv-smart.com

Optimize your hospital disinfection procedure with the UV Smart D25



UV Smart D25

The UV Smart D25 is a safe, effective, and easy-to-use device that will revolutionize your disinfection process. The portable and powerful disinfection system is designed to provide rapid and highly effective disinfection of noninvasive medical equipment, electronics and other small equipment in hospitals, health centres, nursing homes and labs.




Examples to disinfect

- » Infusion pumps
- » Thermometers
- » Stethoscopes
- » DECT phones
- » Surveillance monitoring equipment
- » Blood pressure pumps
- » Telemetry equipment
- » Glucose meters
- » Reflex hammers
- » Comedone expressors
- » Badges
- » Tablets
- » Cameras
- » CO-Oximeters
- » Pagers
- » Remote controls
- » RFID tags
- » Smartphones
- » Keys
- » Glasses
- » And more



Advantages of the UV Smart D25

-  Automated and consistent disinfection cycle in just 25 seconds.
-  Validated, certified and supported by clinical research.
-  Powered by Impelux™ technology. For high-energy and blazingly fast disinfection.
-  Achieving at least a log-4 reduction in the full spectrum of microorganisms.
-  Medical certified UV technology, ensures disinfection of non-invasive medical equipment (CE class IIa).
-  Sustainable, economic & eco-friendly. No use of chemicals or water.
-  Cost saving, replace expensive disinfectant wipes.
-  Compact and versatile. Can be deployed in many departments in minutes thanks to the option of the trolley.

How to use the UV Smart D25 disinfection system

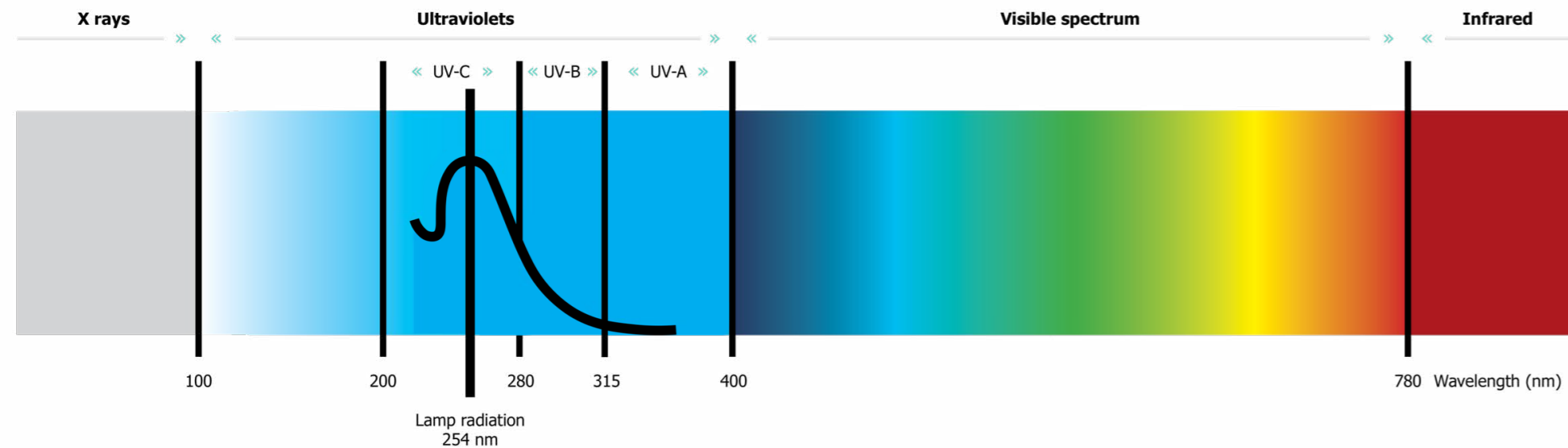


* Green light = successful
 * Red light = unsuccessful, please repeat disinfection cycle

UV technology as disinfection method

UV technology is electromagnetic radiation with a wavelength in the part of the ultraviolet spectrum spanning the 200–280nm range, reaching peak effectiveness at a wavelength of 254nm. This short wavelength causes DNA and RNA to break, thereby inactivating microorganisms and rendering them harmless, unable to reproduce. Thanks to this germicidal property UV technology is an effective method for rapid disinfection.

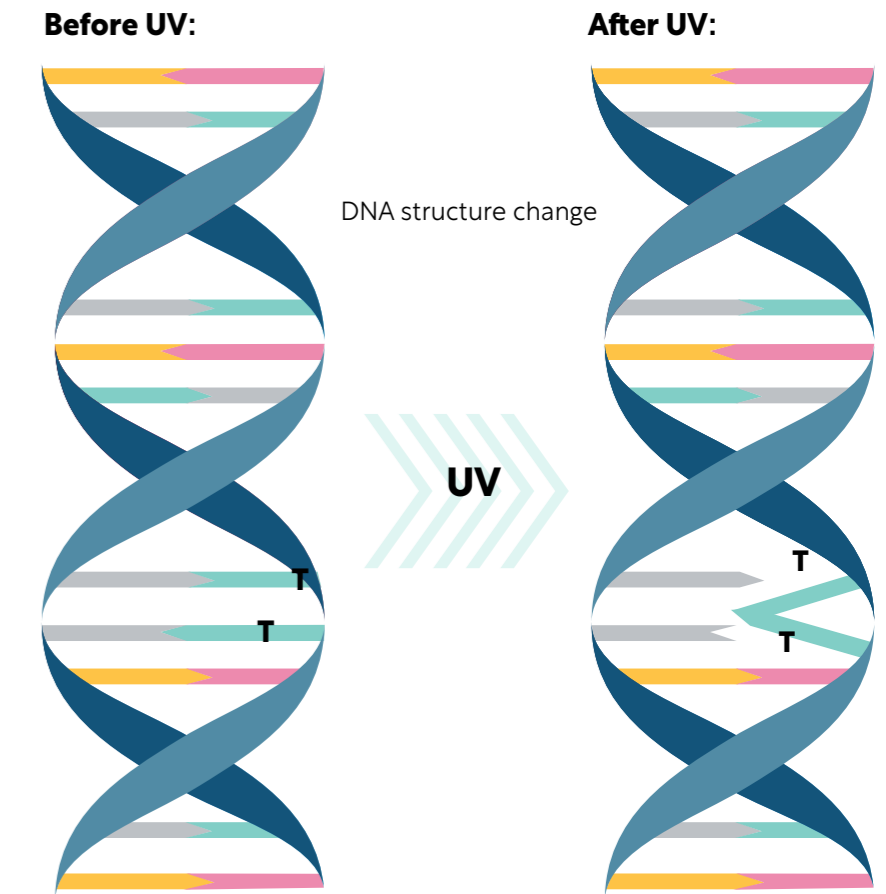
What is UV technology?



UV technology breaks DNA/RNA

When two thymine are next to each other, the UV technology binds them to each other instead of to the opposite base in the DNA/RNA molecule. By doing so, the microorganisms become harmless.

How UV technology works



Validated, certified and supported by clinical research

The disinfection efficacy of the UV Smart D25 has been demonstrated and supported by numerous comprehensive studies conducted in clinical settings at academic medical centers (University Medical Center Groningen, University Medical Center Amsterdam, and Radboud University Medical Center in the Netherlands) and laboratories (Eurofins in Italy and Streeklab Haarlem in the Netherlands). The studies are available upon request.

These comprehensive studies have shown that the UV Smart D25 is highly effective against the full spectrum of microorganisms, achieving at least log-4 reductions in microorganism counts in 25 seconds on the hard, non-porous surfaces of non-invasive medical devices.



UV Smart D25 microbiological efficacy chart



Microorganisms		Medical requirement (NEN-EN-14885:2018) (Surfaces and instruments)	Result UV Smart	Source
Bactericidal	Staphylococcus aureus (ATCC 6538)	≥ Log 5	≥ Log 6	Streeklab Harlem
	Pseudomonas aeruginosa (ATCC15442)	≥ Log 5	≥ Log 6	Streeklab Harlem
	Enterococcus hirae (ATCC 10541)*	≥ Log 5	≥ Log 6	Streeklab Harlem
	Escherichia coli (ATCC 10536)	≥ Log 5	≥ Log 7	Streeklab Harlem
Sporicidal	Bacillus subtilis (ATCC 6633)**	≥ Log 4	≥ Log 6	Streeklab Harlem
Yeasticidal & Fungicidal	Candida albicans (ATCC 10231)	≥ Log 4	≥ Log 7	Streeklab Harlem
Fungicidal	Aspergillus brasiliensis (ATCC 16404)	≥ Log 4	≥ Log 6	Streeklab Harlem
Yeasticidal	Candida auris (DSM 21092)	≥ Log 4	≥ Log 7	Streeklab Harlem
Mycobactericidal	Mycobacterium avium (ATCC 15769)	≥ Log 4	≥ Log 7	Streeklab Harlem
Mycobactericidal & Tuberculocidal	Mycobacterium avium (ATCC 15755)	≥ Log 4	≥ Log 7	Streeklab Harlem
Viricidal	Poliovirus type 1, LSc-2ab	≥ Log 4	≥ Log 4	Eurofin Biolab Srl
	Adenovirus type 5, strain Adenoid 75 (ATCC VR-5)	≥ Log 4	≥ Log 4	Eurofin Biolab Srl
	Bovine coronavirus type 1	≥ Log 4	≥ Log 4	Eurofin Biolab Srl
	Polyomavirus SV40, strain 777	≥ Log 4	≥ Log 4	Eurofin Biolab Srl
	Murine Norovirus, strain S99 Berlin	≥ Log 4	≥ Log 4	Eurofin Biolab Srl



UV Smart D25 Product description

The D25 is ready for use when the lid is open. Remove the visible dirt of the item that has to be disinfected. Close the lid and the disinfection process starts automatically. Optimal hand hygiene is stimulated during the disinfection process. The D25 opens automatically when the disinfection cycle is finished.

Technical Specifications

Product name (brand name):	D25 (UV Smart)
Type of unit	D25 UV-C Medical Disinfection Device
Classification (acc. to IEC/EN 60601-1)	Protective Class I
Class (acc. to Directive 93/42/EEC)	
Ingress Protection	IP 21
Voltage rating	220-240VAC
Frequency	50/60Hz
Amperage rating	2.5A
Max. power rating	220W
UV range	100-280nm
Wavelength	253.7 nm
Accessible fuse value	2x1A 250V time-lag fuse (ø5x20inch)
EMC	IEC/EN 60601-1-2 / 61000-3-2 / 61000-3-3
Product lifetime	5 years

Operating conditions

Relative humidity	20% - 90% (without condensation)
Temperature	32°F - +104°F
Atmospheric pressure	700hPa - 1060hPa

Transport and storage conditions

Relative humidity	20% - 90% (without condensation)
Temperature	32°F - +104°F
Atmospheric pressure	700hPa - 1060hPa
Weight Approx.	25LBS
Dimensions (W x H x D)	557inch x 589inch x 489inch (open) 557inch x 297inch x 489inch (closed)

Computer connection	USB
Historical data	Retrievable via UV Smart or local distributor after maintenance.

Technical inspection[®]service/ maintenance[®]	Every 12-18 months
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Optional items



Validation stickers

The validation stickers provide a tool to check if the UV-C emission is sufficient. The stickers are self-adhesive labels that provide periodical validation.



Flight case

The UV flight case is a durable case that can carry the D25 safely to its destination. With the rubber handle and wheels the flight case can be transported very easily.



Trolley

Placing the D25 on the trolley improves the portability. The wheels can be blocked to avoid unintentional movement of the trolley.



Holder

The trolley can be extended with a holder. The holder of the trolley allows storage for antiseptic wipes and/or sanitizer.

Please contact
us for more
information



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