



ANTIGERMIX[®]

E1

SAFE
SIMPLE
EFFECTIVE

UV-C High-Level Disinfection for Non-Lumened,
Thermo-Sensitive ENT Endoscopes



**DESIGNED
FOR THE BEST**

ANTIGERMIX® E1



Antigermix E1® works by using ultraviolet light (UV-C) for high level disinfection that is fully automated and chemical free. The system is rigorously tested to improve patient safety by significantly reducing the risk of cross-infection. As a result, automated systems such as Antigermix are favoured over wipe solutions by many local guidelines.²



SAFE

Chemical Free operations safeguards staff and patients by avoiding hazardous chemicals, fumes and spills.



SIMPLER

With just one button press, streamlines clinical workflows with an ultrafast 180 sec HLD cycle time plus digital tracking makes compliance easy.



EFFECTIVE

AE1 delivers UV-C HLD to inactivate microorganisms and proven effective through independent Microbicidal Efficacy testing to reduce infection risk.



NO RINSING

No need for rinse cycles and drying the probe.

WELL CONNECTED

Antigermix® E1 traceability system electronically captures and stores data during each disinfection cycle.

By connecting the optional **thermal printer**, information of the disinfection cycle can be automatically printed out on up to 5 tickets.

Disinfection records can also be accessed via Ethernet using **Germitrac**, Germitec's API to enable easy access via a web browser or to connect Antigermix® E1 to the Hospital network.



*KPC= *Klebsiella pneumoniae carbapenemase*



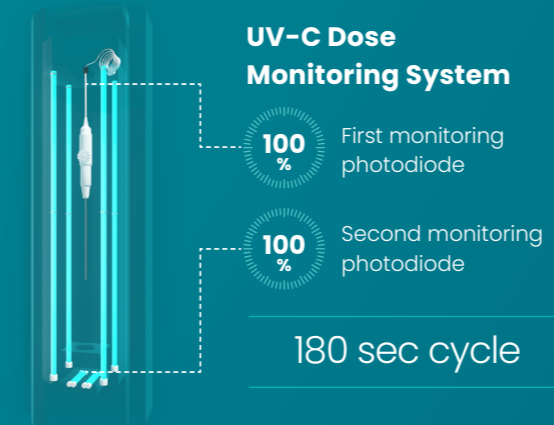
ANTIGERMIX® E1 EUROPEAN STANDARDS MICROBIOLOGY EFFICACY RESULTS

Type of Test	Reference Standards*	Criteria of Reduction for HLD	Results
Bactericide	EN 14561	≥5-Log10	Passed
Virucide	ASTM E1053-11 / EN 14476	≥4-Log10	Passed
Fungicide	EN 14562	≥4-Log10	Passed
Mycobactericide	EN 14563	≥4-Log10	Passed
Sporicide	EN 14347	≥4-Log10	Passed

Note: Antigermix E1 (AE1) is compliant with EN14885 and Directive 93/42/EEC that apply to non-immersion disinfection test protocols. *Virus selection in line with the recommendations of the guide published in Eurosurveillance: <https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2021.26.3.2000708>

KEEP TRACK AUTOMATICALLY

Antigermix® E1 Automated Verification System replaces manual processes such as checking chemical indicators or test strips.



REDUCE OPERATING TIME AND COST



Compared to AE1's 180sec cycle time, manual chemical soaking disinfection processes can take up to 20 min, and other automated systems can add up to 14 min.

Optimising turnaround time when using these processes may require purchasing extra probes or hiring extra staff. This adds additional costs on top of the operating cost for chemicals and other consumables such as chemical indicators or test strips, chemical neutralisers, water and air filters.

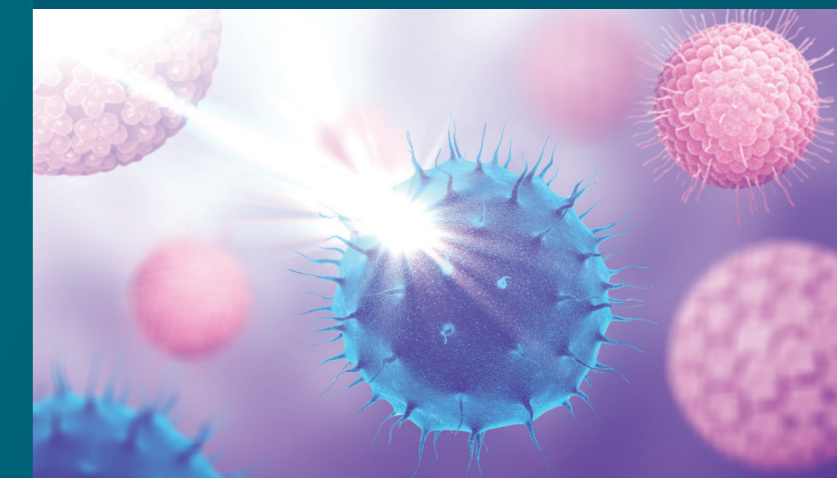
HOW UV-C HLD WORKS

UVC HLD works by UV-C light penetrating the cell walls of microorganisms (Bacteria, Fungi, Viruses, Mycobacteria & Spores) disintegrating proteins such as DNA and RNA, leaving them unable to perform cellular functions and replication therefore destroying them.

Antigermix® E1's disinfection chamber is especially designed to assure the emitted UV-C light is reflected sufficiently to avoid surface shadowing and to provide adequate illumination and efficient exposure on the probe surfaces.

UVC disinfection is widely used for healthcare applications such as:

- Disinfection of water (e.g. Legionella)
- Disinfection of air (operation rooms)
- Disinfection of surfaces
- Disinfection of hearing aids



ANTIGERMIX® E1

ENT SCOPE COMPATIBILITY

Antigermix® E1 is compatible with ENT scopes from leading manufacturers who approve the use of Antigermix® E1. With ongoing ENT scope compatibility, its good to know **Antigermix has you covered.**

SUPPORTING A SUSTAINABLE FUTURE

UVC disinfection is a sustainable and environmentally friendly disinfection method that helps to reduce carbon emissions and contribute to delivering more eco-friendly patient care.



No Chemical pollutants



No ongoing consumable waste



No ongoing supply chain emissions



Low energy output

TECHNICAL SPECIFICATIONS

Disinfection cycle time:	Approximately 180 seconds (high-level disinfection)
Dimensions:	Ø: 55 cm/H: 205 cm
Weight:	100kg
Supply voltage:	120-240 VAC
Power:	1430 Watt
Intensity:	13.5 A-6.6 A
Frequency:	50/60 Hz
Medical classification:	II b (CE)
EMC:	EN 61326-1
Electrical safety:	IEC 61010-1/EN 61010-2-40

Standards: Bactericidal, fungicidal, mycobactericidal and virucidal following methodology of standards EN 14561, EN 14562, EN 14563 and EN 14476 adapted to Antigermix. AOAC use-dilution methods: 955.14, 955.15, 955.17, 964.02. ASTM E 1053-97

Germitec is ISO 13485 certified

References: **1.** Tests conducted independently by numerous laboratories, including Eurofins Biotech-Germande. **2.** HSE Guidance for Decontamination of Semi-Critical Ultrasound Probes