

CBC PlasmaEgg[®]

Device for chemical-free and effective disinfection



REF 500610

Kimetec

Efficient disinfection with advanced technology



No resistances

Destroys the RNA/DNA of bacteria, viruses, fungi and multi-resistant pathogens. Pathogen adaptation is made impossible.



Effective disinfection

Inactivates up to 99.9999%* of all bacteria, fungi and viruses. Also neutralises unpleasant odours.



Free of chemicals High-level disinfection

Natural mode of action:

Micro-discharges ionize the air.
The gas mixture inactivates the germs.

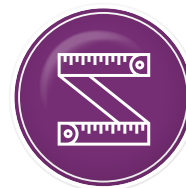
Gentle and sustainable disinfection:

- Without chemical additives
- Without water
- Without high temperatures
- No development of resistances
- No waste and no disposal of chemicals, such as disinfectants



Sustainable

Low energy consumption – protects our environment. Max. power consumption 18 W.



1.5-litre chamber

Simultaneous disinfection of different objects possible. Works on all surfaces that are accessible to the ambient air.

Effect

Laboratory tests verify the highly efficient disinfection of non-porous (e.g. plastic and silicone) and porous (e.g. textile) surfaces by the CBC PlasmaEgg®.

LOG 4 99.99% after 20 minutes

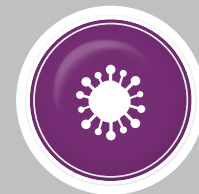
LOG 6 99.9999% after 60 minutes**



inactivates 99.9999%* of all bacteria



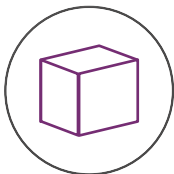
inactivates 99.9999%* of all fungi



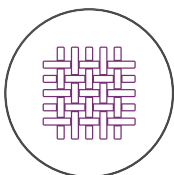
inactivates 99.99%* of all viruses

Performance spectrum

Tested and certified in accordance with the requirements of DIN EN 14885, DIN EN 17111 and DIN EN 16777 for chemical disinfectants and antiseptics.



Disinfection of non-porous surfaces (e.g. silicone, plastic)			
Bactericidal	20 minutes	> 5.82 lg	> 99.99985%
Yeasticidal	20 minutes	> 5.75 lg	> 99.99982%
**Fungicidal	60 minutes	≥ 6.72 lg	≥ 99.99998%
Virucidal	90 minutes	4.11 lg	99.99224%



Disinfection of porous surfaces (e.g. textiles)			
**Bactericidal	20 minutes	≥ 6.32 lg	≥ 99.99995%
Yeasticidal	20 minutes	> 5.00 lg	> 99.99900%
**Mycobactericidal	20 minutes	≥ 6.08 lg	≥ 99.99992%
Fungicidal	90 minutes	≥ 6.04 lg	≥ 99.99991%
Virucidal	20 minutes	4.67 lg	99.99786%

*Effective against

bacteria: *Enterococcus faecium*, *Pseudomonas aeruginosa*, *Staphylococcus aureus*, *Escherichia coli*, *Proteus mirabilis*;

Mycobacteria: *Mycobacterium terrae*, *Mycobacterium avium*;

Yeasts: *Candida albicans*; Fungi: *Aspergillus brasiliensis*;

Viruses: Murine parvovirus (Minute Virus of Mice, MVM)

Performance spectrum includes effective range A (bacteria and fungi) and B (viruses) as defined in the "Bekanntmachung zum Aufnahmeverfahren für Desinfektionsmittel und -verfahren in die vom Robert-Koch-Institut gemäß §18 Infektionsschutzgesetz aufzustellende Liste geprüfter und anerkannter Desinfektionsmittel und -verfahren" [Announcement on the admission procedure for disinfectants and disinfection methods to the list of tested and verified disinfectants and disinfectant methods to be prepared by the Robert Koch Institute pursuant to Section 18 of the German Infection Protection Act].

© Disinfection by plasma

Plasma is the fourth state of matter after solid, liquid and gas. Natural examples of plasma are the sun and lightning. On earth, cold plasma can be generated by the partial ionization of the air. The benefit is that this is “cold” and works at room temperature.

The CBC PlasmaEgg® generates cold atmospheric plasma. Ozone is produced during the disinfection process. This is largely responsible for the disinfecting effect and can be detected by its specific odour.

Cold plasma acts on and destroys proteins and the RNA/DNA of bacteria, viruses and fungi.



Certification and safety

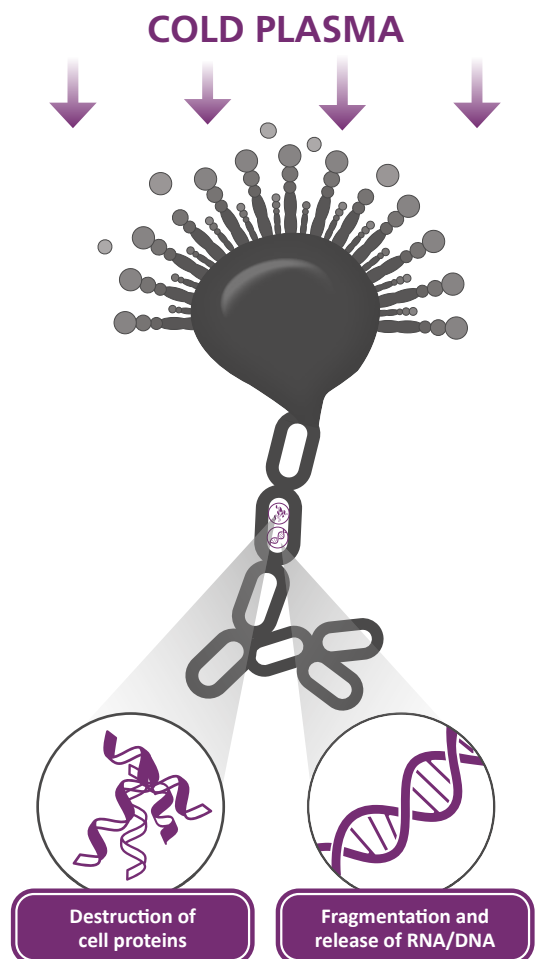
DIN EN 60601-1-2: Electromagnetic compatibility

DIN EN 61010-1: Safety requirements for electrical equipment for laboratory use

DIN EN IEC 61010-2-040: Particular requirements for sterilizers and washer-disinfectors

DIN EN ISO 13485: Medical devices — Quality management systems

DIN SPEC 91315: Requirements for plasma sources in medicine



Technical specifications

Dimensions	Weight	Chamber dimensions	Chamber volume	Power consumption
19.5 × 19.5 × 24.5 cm (L x W x H)	1.5 kg	10.0 × 15.3 × 16.0 cm (L x W x H)	1.64 l/1640 cm ³	18 W

© Benefits of disinfection with cold plasma

- + Prevents the development of resistances
- + Inactivates multi-resistant pathogens
- + No use of chemical disinfectants that require disposal in waste water or as waste
- + Reaches all surfaces regardless of product geometry (crevices, internal surfaces, etc.)
- + No heat stress on the products, max. 40°C
- + Dry inactivation method
- + Silent process
- + Easy and safe to use
- + Cold plasmas are already in successful use in wound treatment and food pre-treatment
- + Several products can be treated at the same time: this saves time and money
- + Products are immediately ready for use and residue-free
- + The starting medium and end product of the disinfection process is ambient air. No additional consumables are required for operation



© Wide range of applications

The CBC PlasmaEgg® is intended for the disinfection of everyday objects, laboratory equipment and personal protective equipment.



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