



designed to work perfectly

Werksbescheinigung / Declaration of compliance with the order

gemäß / in accordance with DIN EN 10204 - 2.1

Decontamination mode in IKA incubators:

Model / model:

INC 125 FCS Digital

The IKA INC 125 FCS Digital incubators have an automatic decontamination mode at 100°C especially for microbiological laboratories as well as for QC in the pharmaceutical or food sector.

The germ reduction is as follows:

test species	% red	Log RF
Enterococcus faecium	95.294	1.33
Aspergillus brasiliensis (spores)	≥ 99.999	≥ 5.62
Escherichia coli	≥ 99.999	≥ 5.11
Geobacillus stearothermophilus (spores)	76.719	0.63
MVA (Modified vaccinia Ankara)	≥ 99.96	≥ 3.35

%-Red: Depletion rate in percent

Log-RF: logarithmic reduction factor

This was verified by an independent test tested and verified:
SGS INSTITUT FRESENIUS GmbH, Testbericht No. 7756265-02-V1

Note:

As part of an independent evaluation, it was demonstrated that the 100 °C decontamination cycle can significantly reduce the overall biological load inside the incubator, including Aspergillus, Escherichia and MVA by > 99.9%. This function can support users in reducing the risk of contamination inside the chamber.

There is no applicable general definition of the term disinfection. Rather, the effectiveness of decontamination processes for specific fields of application and procedures is defined in more detail. Disinfection is often used when at least 84% to 99.9% of the germs are killed or inactivated. In this general sense, at least for the selected hygiene target species Escherichia coli and Enterococcus stearothermophilus a sufficient disinfecting effectiveness can be derived under the general conditions of this test (Borneff 1991).

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