

Biological indicator DE for steam disinfection

Product information

Field of application: DE is a biological indicator, which is designed for the validation and the routine control of steam disinfection processes at 75 °C - 20 min and 105 °C - 1 min appropriate for sphere A.

Features: DE indicators contain populations of *Enterococcus faecium* and comply with DIN 58949-4.

Conformity: Biological indicator DE in compliance with the requirements of DIN 58949-4.

Specifications: *Organism: **Enterococcus faecium***
*Mean population (cfu): **≥ 10⁶***
*Carrier material: **filter paper***
*Primary packaging: **paper / foil***
*Organic burden: **defibr. sheep blood***
*Shelf life: **6 months from the date of manufacturing***

Resistance characteristics with steam 75 °C:

5 minutes	95 % survive
15 minutes	95 % killed

Storage: + 4 °C to + 8 °C

Disposal: After disinfection

Packing unit: 50 pcs.

Order No: BI-DE-11001

Example of use:

1. To test the steam disinfection process according to DIN 58949-4, put the biological indicators into goods, which are difficult to disinfect (e.g. in a pile of blankets).
2. Each used disinfection program has to be tested and evaluated separately.
3. Place the indicators, in their primary packaging, on representative spots in a typical load. One indicator is meant to be a growth and transport control. Do not disinfect the control indicator.
4. Check pressure, temperature and time combination of the disinfection program. Start the program.
5. After the steam disinfection process, put the spore strips and the control strip aseptically in tubes with 7-10 ml *Enterococcus* selective nutrient media
6. Incubation: 7 days at 35 °C ± 2 °C.
7. Daily check all tubes for growth of the test organism.
8. Note down the results. The results are only valid if the growth control shows typical growth.