

Bioindicators for steam disinfection at 105°C – Desi-Test-105°C

Product information

Field of application:	Biological indicator for testing steam disinfection procedures with effectivity ranges ABC (105°C)
Conformity:	The Desi-Test-105°C bioindicator fulfils the requirements of DIN 58949-4
Specifications:	Test microorganism: Bacillus atrophaeus ATCC 9372 Colony count (nominal): $\geq 10^5$ CFU Germ carrier: filter paper Primary packaging: glass test tube with screw cap Shelf life: 24 months from date of manufacture
Resistance determination:	according to DIN 58949-4
Storage:	For transport and storage, temperatures should be kept below 30°C and relative humidity between 30 and 65%. Do not expose bioindicators to direct sunlight.
Disposal:	Unused bioindicators or bioindicators whose shelf life has expired are disposed of by steam sterilization at 121°C – 15 min or 134°C – 5 min without additional packaging
Instructions for use:	<p>The bioindicators must not be taken out of the glass test tubes for use in steam disinfection. They must be distributed in the loaded working space at the critical points within the items to be disinfected, and their position must be recorded in form of a sketch in the test report. At least 9 bioindicators must be used for a test in accordance with DIN 58 949-3.</p> <p>The filter disc below the screw cap is impregnated with a colour indicator. A black discolouration shows that the bioindicator has been treated with steam.</p> <p>The control indicator (red sticker) included in delivery serves as growth test and for verifying storage and transport conditions. This indicator must not be included in disinfection.</p> <p>In order to verify the microbiocidal effect of the disinfection process on the test germs, the bioindicator is removed from the glass test tube, transferred into 10 ml Soybean Casein digest Broth and cultivated for 7 days at 32°C \pm 2 K. The disinfection process fulfils the microbiological requirements if no growth of Bacillus atrophaeus ATCC 9372 can be detected in any of the samples.</p> <p>The control indicator must show distinct growth of the test germ after 24 hours of cultivating.</p>