

Antibacterial Activity

The various test methods are used to investigate the antibacterial effectiveness of the test specimen against bacteria. The tests are carried out in accordance with recognised standards for which accreditation has been obtained from the DAkkS using the test germs specified therein.

This test is particularly suitable for

- Textiles
- Surfaces (plastics, metals, lacquers)
- Commodities (if flat surfaces are available or parts are suitable for testing)



Test germs

- *Staphylococcus aureus*, *Klebsiella pneumoniae*, *Escherichia coli*
- Further test germs on request

Customer benefit

- Product optimization during development
- Consumer safety
- Proof of efficacy
- Advertising impact

Testing standards

- Textiles: DIN EN ISO 20743 / AATCC 100 / ASTM E 2149
- Surfaces: ISO 22196 / ISO 846 part B
- In addition, further tests are offered according to international standards

Marketing Instruments – Labels and Certificates

On passing the test, the product may be awarded the certificate “Antibacterial Activity” and/or the Quality Label “Antibacterial” (validity: 1 year).

The term “Antibacterial” is used for a significant to strong activity against gram-positive and gram-negative bacteria is achieved.

Test sample requirements

General

- Test samples will be examined as sent in, unless otherwise agreed.
On customers request tests can also be carried out after a use simulation (e.g. specified number of reprocessing cycles).

Quantity of material

- Depending on the test. Required quantity is stated in the offer.

Duration of the test

- Generally two weeks for tests with bacteria
the date will be confirmed upon receipt of the test sample.

Test criteria

- According to the normative specifications.
- As a rule, at least 2 log steps/99% germ reduction.