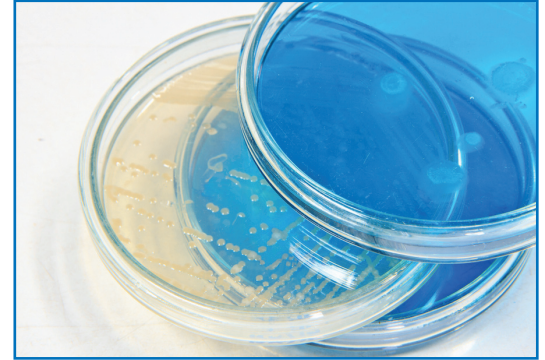


antimicrobial testing for industrial products

WuXi AppTec offers numerous assays to evaluate antimicrobial activity related to industrial products, such as textiles/carpet and plastics.

Any of the standard test methods listed here can be modified to include different/additional organisms as well as different/additional exposure times. In addition, with our many years of experience in microbiology/microbial testing and a laboratory dedicated to performing custom microbial studies, we have the expertise to develop specialized protocols to meet specific needs.



ASTM E-1428

Determines performance of antimicrobial agents used in/on synthetic polymeric solids against the staining by the actinomycete *Streptovercillium reticulum*. Following incubation, samples rated to determine degree of staining that occurred.

ASTM E-2149

Quantitatively evaluates the effectiveness of a sample treated with a non-leaching antimicrobial by shaking in an organism suspension.

ASTM E-2180

Quantitatively evaluates the effectiveness of an antimicrobial agent incorporated into hydrophobic polymeric material.

ASTM E-2315

Quantitatively evaluates antimicrobial activity of a test material within a specified time period using a time-kill procedure.

ASTM E-2471

Qualitatively evaluates (stereo-microscopically and visually) antibacterial and antifungal activity at the fiber layer and at the primary backing layer of carpet when challenged with bacteria.

ASTM G-21

Qualitatively evaluates the ability of synthetic polymeric test material to support the growth of fungi. The test material is usually provided in the form of molded and fabricated articles, tubes, rods, sheets and film materials.

AATCC Method 30, Part III

Qualitatively evaluates the antifungal activity of a textile sample when challenged with bacteria.

AATCC Method 100

Quantitatively evaluates the antimicrobial effectiveness of a textile product when challenged with bacteria.

AATCC Method 147

Qualitatively evaluates the antimicrobial activity of diffusible antimicrobial treatments on textile products when challenged with bacteria.

AATCC Method 174 Part 1

Qualitatively evaluates the antimicrobial activity of carpet when challenged with bacteria.

AATCC Method 174 Part 2

Quantitatively evaluates the antimicrobial effectiveness of carpet when challenged with bacteria.

AATCC Method 174 Part 3

Qualitatively evaluates the antifungal activity of carpet when challenged with bacteria.

Zone of Inhibition

Demonstrates the activity/potency of antimicrobials or antibiotics, based on measuring the zone of inhibition observed for specified microorganisms. Areas of particular application include materials treated or infused with an antimicrobial agent that leaches out of the material.

Talk to us and find out how our antimicrobial testing services can work for you.

Contact a WuXi AppTec Account Manager at 651-675-2000 or email: info@wuxiapptec.com



Expert Solutions for Product Development