



MicroQuant™ Antimicrobial Effectiveness Panel

MQ-51™

Description

The MicroQuant™ Antimicrobial Effectiveness Panel comprises the five microbial challenge organisms cited in United States Pharmacopeia chapter 51 (USP <51>) for use in evaluating the efficacy of antimicrobial preservatives added to aqueous pharmaceutical products. Each component is provided as a pack containing 5 vials of cryopreserved pellets (10^7 to 10^8 CFU per pellet) and 5 vials of rehydration buffer.

Components:

MicroQuant™ *Aspergillus brasiliensis*, high CFU (ATCC 16404-HQ-PACK)

MicroQuant™ *Candida albicans*, high CFU (ATCC 10231-HQ-PACK)

MicroQuant™ *Escherichia coli*, high CFU (ATCC 8739-HQ-PACK)

MicroQuant™ *Pseudomonas paraeruginosa*, high CFU (ATCC 9027-HQ-PACK)

MicroQuant™ *Staphylococcus aureus* subsp. *aureus*, high CFU (ATCC 6538-HQ-PACK)

Shipping information: Five components each provided as a pack of 5 vials of cryopreserved pellets and 5 vials of rehydration buffer, comprising 50 vials in total.

Storage Conditions

Storage conditions: 2°C to 8°C

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

Reference material produced under an ISO 17034 accredited process.

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BSL 2

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Quality Control Specifications

Specification range: 10^7 to 10^8 CFU per pellet

Material Citation

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If use of this material results in a scientific publication, please cite the material in the following manner: MicroQuant™ Antimicrobial Effectiveness Panel (ATCC MQ-51)

References

References and other information relating to this material are available at www.atcc.org.

Warranty

The product is provided 'AS IS' and the viability of ATCC® products is warranted for 30 days from the date of shipment, provided that the customer has stored and handled the product according to the information included on the product information sheet, website, and Certificate of Analysis. For living cultures, ATCC lists the media formulation and reagents that have been found to be effective for the product. While other unspecified media and reagents may also produce satisfactory results, a change in the ATCC and/or depositor-recommended protocols may affect the recovery, growth, and/or function of the product. If an alternative medium formulation or reagent is used, the ATCC warranty for viability is no longer valid. Except as expressly set forth herein, no other warranties of any kind are provided, express or implied, including, but not limited to, any implied warranties of merchantability, fitness for a particular purpose, manufacture according to cGMP standards, typicality, safety, accuracy, and/or noninfringement.

Disclaimers

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Product Sheet

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