





Product Sheet

Metagenomic Control Material for Pathogen Detection (ATCC® MSA-4000™)

Please read this FIRST



Storage Temp.
-20°C or colder



Biosafety Level
1

Intended Use

Purchase of this product will include limited use access to the One Codex platform for metagenomic analysis of ATCC microbiome products. By purchasing this product, you consent and agree to allow ATCC to securely transfer sales and end users' data related to this product to One Codex. Provision of One Codex access, storage, management of sequencing data, and the interpretation and accuracy of analytical results provided by One Codex are the responsibility of One Codex and not ATCC. End users should visit onecodex.com for their complementary metagenomic data analysis.



Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: Metagenomic Control Material for Pathogen Detection (ATCC® MSA-4000™)

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

ATCC® Microbiome Standards are mock microbial communities that mimic mixed metagenomic samples. The LGC Metagenomic Control Material for Pathogen Detection was developed in partnership with the LGC Group, an international leader in genomics, measurement standards, and reference materials, as an ATCC Microbiome Standard representing a mock microbial community of bacterial species commonly observed in clinical infections, including antimicrobial-resistant organisms. The product comprises genomic DNA prepared from fully sequenced, characterized, and authenticated ATCC Genuine Cultures®, and was quantitated using Droplet Digital™ PCR to improve precision in relative abundance among strains within the community (refer to the Certificate of Analysis for more information). Each order for this product is provided with access to run 20 analyses on One Codex, the leading bioinformatics platform for microbial genomics and metagenomics.

Specification Range: 0.80 ng/μL to 1.33 ng/μL*

*DNA concentrations indicate ATCC manufacturing specifications and are provided as a reference only



© LGC Limited, 2017. All rights reserved.

Components

- 0.1% *Acinetobacter baumannii* strain 5377 (ATCC 17978)
- 0.7% *Enterococcus faecalis* strain V583 (ATCC 700802)
- 1.4% *Escherichia coli* strain CFT073(ATCC 700928)
- 14.4% *Klebsiella pneumoniae* subsp. *pneumoniae* strain MGH78578 (ATCC 700721)
- 28.9% *Neisseria meningitidis* strain FAM18 (ATCC 700532)
- 0.3% *Pseudomonas aeruginosa* strain PAO1-LAC (ATCC 47085)
- 0.7% *Staphylococcus aureus* subsp. *aureus* (MRSA) strain FPR3757 (ATCC BAA-1556)
- 14.4% *Staphylococcus aureus* subsp. *aureus* (MSSA) strain TCH959 (ATCC BAA-1718)
- 2.9% *Streptococcus agalactiae* strain 2603 V/R (ATCC BAA-611)
- 28.9% *Streptococcus pneumoniae* strain Spain 23F-1 (ATCC 700669)
- 7.2% *Streptococcus pyogenes* strain SF370 (ATCC 700294)

Propagation

Aliquoting is highly recommended to avoid multiple freeze-thaws, which can damage the DNA.

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

While ATCC uses reasonable efforts to include accurate and up-to-date information on this product



Product Sheet

Metagenomic Control Material for Pathogen Detection (ATCC® MSA- 4000™)

sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.


This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of strains on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of cultures.

Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org


Additional information on this culture is available on the ATCC web site at www.atcc.org.

© ATCC 2019. All rights reserved. ATCC is a registered trademark of the American Type Culture Collection. [07/11]

Please read this FIRST



Storage Temp.
-20°C or colder



Biosafety Level
1

Intended Use

Purchase of this product will include limited use access to the One Codex platform for metagenomic analysis of ATCC microbiome products. By purchasing this product, you consent and agree to allow ATCC to securely transfer sales and end users' data related to this product to One Codex. Provision of One Codex access, storage, management of sequencing data, and the interpretation and accuracy of analytical results provided by One Codex are the responsibility of One Codex and not ATCC. End users should visit onecodex.com for their complementary metagenomic data analysis.



Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: Metagenomic Control Material for Pathogen Detection (ATCC® MSA-4000™)

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor