




## Product Sheet


# ABRF-MGRG 10 Strain Staggered Mix Genomic Material (ATCC® MSA-3002™)

### Please read this FIRST



Storage Temp.  
**-20°C or colder**

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Biosafety Level  
**2**

### 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](http://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: ABRF-MGRG 10 Strain Staggered Mix Genomic Material (ATCC® MSA-3002™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

Or contact your local distributor

### Description

ATCC® Microbiome Standards are mock microbial communities that mimic mixed metagenomic samples. The ABRF-MGRG metagenomics reference standard was developed and packaged in partnership with the [Association of Biomolecular Resource Facilities \(ABRF\) Metagenomics Research Group \(MGRG\)](#)\*, an international scientific society dedicated to advancing technologies, education, communication, and reproducible research in the operations of shared scientific resources, as part of the [Extreme Microbiome Project \(XMP\)](#). This product comprises genomic DNA from fully sequenced\*\*, characterized, and authenticated bacterial and archaeal species observed in various environments, including soil, freshwater, seawater, feces, and high salinity ecosystems. Further, this reference community was derived from Class I microbial genomes (Koren *et al.*, Genome Biol 14(9):R101, 2013), was extracted to retain long fragments of gDNA, and is confirmed to be free of human DNA. 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: 4.25 ng/μL to 7.09 ng/μL \*\*\*

\*The bulk material for this product was deposited by ABRF-MGRG. The research group extracted DNA from each individual strain and mixed them in appropriate proportions.

\*\*The reference genome for *Pseudoalteromonas haloplanktis* is not available.

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

### Components

0.43% *Bacillus subtilis* (ATCC 23857)  
42.88% *Chromobacter violaceum* (ATCC 12472)  
0.04% *Enterococcus faecalis* (ATCC 47077)  
0.43% *Escherichia coli* (ATCC 700926)  
0.43% *Halobacillus halophilus* (ATCC 35676)  
4.29% *Haloferax volcanii* (ATCC 29605)  
4.29% *Micrococcus luteus* (ATCC 4698)  
4.29% *Pseudoalteromonas haloplanktis* (ATCC 14393)  
0.04% *Pseudomonas fluorescens* (ATCC 13525)  
42.88% *Staphylococcus epidermidis* (ATCC 12228)

### Biosafety Level: 2

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 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](http://www.atcc.org)



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