





Product Sheet

20 Strain Even Mix Whole Cell Material (ATCC® MSA-2002™)

Please read this **FIRST**



Storage Temp.
2°C to 8°C



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 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: 20 Strain Even Mix Whole Cell Material (ATCC® MSA-2002™)

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. This product is prepared as a mixture of whole cells and comprises fully sequenced, characterized, and authenticated ATCC Genuine Cultures® that were selected based on relevant phenotypic and genotypic attributes, such as Gram stain, GC content, genome size, and spore formation. Each order for this product is provided with access to run 5 analyses on One Codex, the leading bioinformatics platform for microbial genomics and metagenomics.

Specification Range: 4×10^7 cells/vial $\pm 1 \log^*$

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

Components

5% *Acinetobacter baumannii* (ATCC 17978)
5% *Actinomyces odontolyticus* (ATCC 17982)
5% *Bacillus cereus* (ATCC 10987)
5% *Bacteroides vulgatus* (ATCC 8482)
5% *Bifidobacterium adolescentis* (ATCC 15703)
5% *Clostridium beijerinckii* (ATCC 35702)
5% *Cutibacterium acnes* (ATCC 11828)
5% *Deinococcus radiodurans* (ATCC BAA-816)
5% *Enterococcus faecalis* (ATCC 47077)
5% *Escherichia coli* (ATCC 700926)
5% *Helicobacter pylori* (ATCC 700392)
5% *Lactobacillus gasseri* (ATCC 33323)
5% *Neisseria meningitidis* (ATCC BAA-335)
5% *Porphyromonas gingivalis* (ATCC 33277)
5% *Pseudomonas aeruginosa* (ATCC 9027)
5% *Rhodobacter sphaeroides* (ATCC 17029)
5% *Staphylococcus aureus* (ATCC BAA-1556)
5% *Staphylococcus epidermidis* (ATCC 12228)
5% *Streptococcus agalactiae* (ATCC BAA-611)
5% *Streptococcus mutans* (ATCC 700610)

Method for Resuspension

1. Add 1 mL of cold PBS to the lyophilized pellet.
2. Allow the pellet to dissolve at least for two minutes; keep the vial on ice to prevent cell lysis.
3. After reconstitution, mix the product gently and aliquot 200 μ L into five Eppendorf tubes.
4. Centrifuge for 10 min at 10,000xg at 4°C.
5. Carefully discard the supernatant without disrupting the pellet.
6. Use the pellet for DNA extraction immediately or freeze the pellet for use at later time.

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



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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.

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