Genomic DNA from *Leuconostoc mesenteroides* subsp. *mesenteroides* strain 37Y

8293D-5™

Description

Genomic DNA isolated from *Leuconostoc mesenteroides* subsp. *mesenteroides* strain 37Y. This bacterial strain is also available as ATCC® Catalog No. 8293™.

Organism: *Leuconostoc mesenteroides* subsp. *mesenteroides* (Tsenkovskii) van Tieghem
Derived from: *Leuconostoc mesenteroides subsp. mesenteroides* 37Y [NCDO 523, NCIB 8023, NRRL B-1118] (ATCC 8293)
Genome sequenced strain: Yes
Type strain: Yes
Mass: 5 µg
Shipping information: Stored in 1X TE buffer

Storage Conditions

Product format: Dried

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.

BSL 1

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.

Certificate of Analysis

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

Handling Procedures

Centrifuge tube prior to opening to prevent loss of pelleted material

1. Rehydrate contents of vial with molecular grade H_2O.
2. Place vial at 37°C for 1 hour or at 2°C to 8°C overnight.
3. For more complete rehydration and to fully recover DNA, incubate the sample overnight at 4°C while rocking; then incubate for 1 hour at 65°C. Resuspending the dried DNA in ≥ 250 µL may give better results.

Quality Control Specifications

Total amount: Total DNA by PicoGreen® measurement was found to be approximately 5 µg.
Integrity: Integrity of DNA was determined by electrophoresis on a 1% agarose gel stained with SYBR Safe™, and was found to be of high molecular weight.
Functional tests: Functional activity was confirmed by PCR amplification of the 16S ribosomal RNA gene.
Identity: Identity confirmed by sequencing of 16S ribosomal RNA gene (first ~500 base pairs).

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Notes

Genomic DNA isolated from bacteria is appropriate for PCR and other molecular biology applications.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Genomic DNA from *Leuconostoc mesenteroides* subsp. *mesenteroides* strain 37Y (ATCC 8293D-5)

References

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

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Revision

This information on this document was last updated on 2025-09-12

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