Genomic DNA from *Mycobacterium smegmatis* strain 1102

23037D-5™

Description

Genomic DNA isolated from *Mycobacterium smegmatis* strain 1102. This bacterial strain is also available as ATCC® Catalog No. 23037™.

Organism: *Mycobacterium smegmatis* (Trevisan) Lehmann and Neumann
Derived from: *Mycobacterium smegmatis* [1102] (ATCC 23037)
Genome sequenced strain: Yes
Type strain: No
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).

Notes

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Genomic DNA 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 *Mycobacterium smegmatis* strain 1102 (ATCC 23037D-5)

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.

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Revision

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