Quantitative Genomic DNA from *Mycobacterium tuberculosis* strain H37Rv

25618D™

Description

Quantitative Genomic DNA from *Mycobacterium tuberculosis* strain H37Rv (ATCC 25618) can be used for assay development, verification, and validation as well as monitoring of day-to-day test variation and lot-to-lot performance of molecular-based assays. The quantitative format allows for the generation of a standard curve for quantitative PCR (qPCR) to determine bacterial load.

Organism: *Mycobacterium tuberculosis* (Zopf) Lehmann and Neumann
Derived from: H37Rv (ATCC 25618)
Genome sequenced strain: Yes
Type strain: No
Specification range: ≥ 1 x 10^5 copies/µL
Volume: 100 µL

Storage Conditions

Product format: Frozen
Storage conditions: -20°C or colder

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.

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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

1. Thaw the vial at room temperature and immediately place on ice. Avoid exposing the DNA to repeated freeze-thaw cycles as it may result in degradation of the DNA and variation in copy number.
2. Gently mix the sample to ensure an even distribution of material.
3. Briefly centrifuge the tube before opening to ensure all liquid is at the bottom.

Quality Control Specifications

Purity (A260/A280): 1.6 to 2.1

Notes

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

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Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Quantitative Genomic DNA from *Mycobacterium tuberculosis* strain H37Rv (ATCC 25618D)

References

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

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Revision

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