Quantitative Genomic DNA from *Pseudomonas aeruginosa* strain GTVSS-024

BAA-3424DQ™

Description

Quantitative Genomic DNA from *Pseudomonas aeruginosa* strain GTVSS-024 is derived from a component of the GenomeTrakr Validation Strain Set (GTVSS) for food testing and can be used as a next-generation sequencing (NGS) control for contamination detection or high GC content. This molecular standard supports assay development, verification, and validation, and can also be used to monitor 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: *Pseudomonas aeruginosa*
Derived from: *Pseudomonas aeruginosa* GTVSS-024 (ATCC BAA-3424-NGS-PACK)
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.

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.
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.

Notes

Aliquoting is highly recommended to avoid multiple freeze-thaws.

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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 *Pseudomonas aeruginosa* strain GTVSS-024 (ATCC BAA-3424DQ)

References

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

Warranty

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Revision

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