



Quantitative Genomic DNA from *Escherichia coli* strain GTVSS-023

BAA-3423DQ™

Description

Quantitative Genomic DNA from *Escherichia coli* strain GTVSS-023 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 toxin detection. 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: *Escherichia coli* (Migula) Castellani and Chalmers

Derived from: *Escherichia coli* GTVSS-023 (ATCC BAA-3423-NGS-PACK)

Genome sequenced strain: Yes

Type strain: No

Specification range: $\geq 1 \times 10^5$ copies/ μ L

Volume: 100 μ L

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

Product Sheet

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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.
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Notes

Aliquoting is highly recommended to avoid multiple freeze-thaws.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Quantitative Genomic DNA from *Escherichia coli* strain GTVSS-023

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(ATCC BAA-3423DQ)

Product Sheet

References

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

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Product Sheet

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Contact Information

Quantitative Genomic DNA from *Escherichia coli* strain GTVSS-023

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ATCC

10801 University Boulevard

Manassas, VA 20110-2209

USA

US telephone: 800-638-6597

Worldwide telephone: +1-703-365-2700

Email: tech@atcc.org or contact your local distributor
