Source: *Escherichia coli*

**Designation:** Quantitative Genomic DNA from *Escherichia coli*

**Description:** ATCC® Genuine Nucleics can be used for assay development, verification, validation, 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 and for other molecular biology applications.

**Note:** Aliquoting is highly recommended to avoid multiple freeze-thaws.

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### Batch-Specific Information

Refer to the Certificate of Analysis for batch-specific test results.

### Preparation Procedure

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 the liquid is at the bottom.

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**Biosafety Level:** 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

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**ATCC Warranty**

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

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**Disclaimers**

This product is intended for laboratory research purposes only. It is not intended for use in humans.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: Quantitative Genomic DNA from *Escherichia coli* (ATCC® BAA-2193DQ™)

**Nucleic Acid Information**

Specification range: ≥1 x 10⁵ copies/µL

100 µL per vial