



# Quantitative Genomic DNA from *Shigella* *flexneri* strain CDC 3591-52

12022DQ™

## Description

Quantitative genomic DNA from *Shigella flexneri* strain CDC 3591-52 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:** *Shigella flexneri* Castellani and Chalmers

**Derived from:** CDC 3591-52 [CIP 104222] (ATCC 12022)

**Genome sequenced strain:** Yes

**Type strain:** No

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

**Volume:** 100  $\mu$ L

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## Storage Conditions

**Product format:** Frozen

**Storage conditions:** -20°C or colder

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## 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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12022DQ  
BSL 1

Product Sheet

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.

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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](http://www.atcc.org).

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## 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.

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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 *Shigella flexneri* strain CDC 3591-52

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12022DQ  
(ATCC 12022DQ)

Product Sheet

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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Product Sheet

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## Revision

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## Contact Information

## Quantitative Genomic DNA from *Shigella flexneri* strain CDC 3591-52

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