

Genomic DNA from *Neisseria gonorrhoeae*

53420D-5™

Description

Genomic DNA isolated from *Neisseria gonorrhoeae*. This bacterial strain is also available as ATCC® Catalog No. 53420™.

Organism: *Neisseria gonorrhoeae* (Zopf) Trevisan

Type strain: No

Mass: 5 µg

Patent depository: This material was deposited with the ATCC Patent Depository to fulfill U.S. or international patent requirements. This material may not have been produced or characterized by ATCC. As an International Depository Authority (IDA) for patent deposits, ATCC is required to complete viability testing only at time of initial deposit of patent material. Patent deposits are made available on behalf of the Depositor when the pertinent U.S. or international patent is issued, but material may not be used to infringe the patent claims.

Patent number:

4,900,659

Technical information: ATCC Product Experience does not have technical information on patent deposits that are not produced or characterized by ATCC. Additional information can be found in the corresponding patent available from the patent holder or with the U.S. and/or international patent office.

Shipping information: Stored in 1X TE buffer

Storage Conditions

Product format: Dried

Intended Use

This product is intended for laboratory research use only. It is not intended for any

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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

Centrifuge tube prior to opening to prevent loss of pelleted material

1. Rehydrate contents of vial with molecular grade H₂O.
2. Place vial at 37°C for 1 hour or at 2°C to 8°C overnight.
3. For more complete rehydration and to fully recover DNA, incubate the sample overnight at 4°C while rocking; then incubate for 1 hour at 65°C. Resuspending the dried DNA in ≥ 250 µL may give better results.

Quality Control Specifications

Total amount: Total DNA by PicoGreen® measurement was found to be approximately 5 µg.

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Integrity: Integrity of DNA was determined by electrophoresis on a 1% agarose gel stained with SYBR Safe™, and was found to be of high molecular weight.

Functional tests: Functional activity was confirmed by PCR amplification of the 16S ribosomal RNA gene.

Identity: Identity confirmed by sequencing of 16S ribosomal RNA gene (first ~500 base pairs).

Notes

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

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Genomic DNA from *Neisseria gonorrhoeae* (ATCC 53420D-5)

References

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

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Revision

This information on this document was last updated on 2025-08-24

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