



# Genomic DNA from *Geobacter* *metallireducens* strain GS-15

53774D-5™

## Description

Genomic DNA isolated from *Geobacter metallireducens* strain GS-15. This bacterial strain is also available as ATCC® Catalog No. 53774™.

**Organism:** *Geobacter metallireducens* Lovley et al.

**Derived from:** *Geobacter metallireducens* GS-15 [DSM 7210] (ATCC 53774)

**Genome sequenced strain:** Yes

**Type strain:** Yes

**Mass:** 5 µg

**Shipping information:** Stored in 1X TE buffer

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## Storage Conditions

**Product format:** Dried

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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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## 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*

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53774D-5

(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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### Quality Control Specifications

**Total amount:** Total DNA by PicoGreen<sup>®</sup> measurement was found to be approximately 5 µg.

**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).

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### Notes

Genomic DNA isolated from bacteria is appropriate for PCR\* and other molecular biology applications.

\*The polymerase chain reaction (PCR) process is covered by patents owned by Hoffmann-LaRoche Inc. Use of the PCR process requires a license.

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### Material Citation

## Genomic DNA from *Geobacter metallireducens* strain GS-15

53774D-5

If use of this material results in a scientific publication, please cite the material in the following manner: Genomic DNA from *Geobacter metallireducens* strain GS-15 (ATCC 53774D-5)

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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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53774D-5

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### Revision

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53774D-5

## Contact Information

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