



# Genomic DNA from *Saccharomyces cerevisiae* strain S288C

204508D-5™

## Description

Genomic DNA isolated from *Saccharomyces cerevisiae* S288c. This fungal strain is also available as ATCC 204508.

**Organism:** *Saccharomyces cerevisiae* Meyen ex E.C. Hansen

**Derived from:** *Saccharomyces cerevisiae* S288C (ATCC 204508)

**Genome sequenced strain:** Yes

**Type strain:** No

**Mass:** 5 µg

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## Storage Conditions

**Product format:** Dried

**Storage conditions:** 2°C to 8°C

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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 (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to

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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

Centrifuge tube prior to opening to prevent loss of pelleted material

1. Rehydrate contents of vial with molecular grade H<sub>2</sub>O. DNA is dried in Tris
  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 at 65°C for 1 hour or overnight at 4°C
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### Quality Control Specifications

**Electrophoresis - RNA content:** No RNA was detected by electrophoresis

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

**Purity (A260/A280):** 1.7 to 2.0

**Integrity:** Integrity of DNA was determined by electrophoresis on a 1% agarose gel stained with ethidium bromide, and was found to be intact and of high molecular weight.

**Functional tests:** Functional activity was confirmed by PCR amplification of approximately 1500 base pairs fragment of rRNA gene cluster including ITS1-5.8S-ITS2 region.

**Identity:** Identity confirmed by sequencing of ITS1, 5.8Sgene and ITS2 regions of ribosomal RNA (~ 500 base pairs).

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### Notes

Genomic DNA isolated from fungi 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.

**Depositor of Source Strain:** YGSC

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### Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Genomic DNA from *Saccharomyces cerevisiae* strain S288C (ATCC 204508D-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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## Revision

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