



# Genomic DNA from *Aspergillus fumigatus* strain 118

1022D-2™

## Description

Genomic DNA isolated from *Aspergillus fumigatus* strain NRRL 163 (ATCC 1022). This whole-genome sequenced preparation can be used in PCR and other molecular biology applications.

**Organism:** *Aspergillus fumigatus* Fresenius

**Derived from:** *Aspergillus fumigatus* NRRL 163 [118, CBS 133.61, IMI 16152, LSHB Ac71, NCTC 982, QM 1981, WB 163] (ATCC 1022)

**Genome sequenced strain:** Yes

**Type strain:** No

**Mass:** 2 µg

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

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## Storage Conditions

**Product format:** Freeze-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 (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

Centrifuge tube prior to opening to prevent loss of pelleted material

1. Rehydrate the contents of the 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. Resuspending the dried DNA in ~250 µL may give better results.
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## Quality Control Specifications

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

**Purity (A260/A280):** 1.6 to 2.0

**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 approximately 1500 base pairs fragment of rRNA gene cluster including ITS1-5.8S-ITS2 region.

**Identity:** Identity confirmed by sequencing of ITS1, 5.8S gene 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:** NRRL (National Center for Agricultural Utilization Research)

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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 *Aspergillus fumigatus* strain 118 (ATCC 1022D-2)

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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

Please see the material transfer agreement (MTA) for further details regarding the use of this product. The MTA is available at [www.atcc.org](http://www.atcc.org).

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