



# Genomic DNA from *Aspergillus brasiliensis* strain WLRI 034(120)

16404D-2™

## Description

Genomic DNA isolated from *Aspergillus brasiliensis* WLRI 034(120) (ATCC 16404). This whole-genome sequenced product can be used in PCR and other molecular biology applications.

**Organism:** *Aspergillus brasiliensis* Varga et al.

**Derived from:** *Aspergillus brasiliensis* WLRI 034(120) [CBS 733.88, DSM 1387, DSM 1988, IFO 9455, IMI 149007, NCPF 2275] (ATCC 16404)

**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

**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**

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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. Centrifuge tube prior to opening to prevent loss of pelleted material
  2. DNA is dried in 1X TE buffer. Rehydrate contents of vial with a desired amount of molecular grade water or any preferred buffer. Resuspending the dried DNA in  $\geq 250 \mu\text{L}$  may give better results.
  3. Place vial at 37°C for 1 hour, or at 2°C to 8°C overnight.
  4. For more complete rehydration and to fully recover DNA, incubate the sample overnight at 4°C while rocking.
  5. To enhance PCR efficiency, add 1  $\mu\text{L}$  of freshly prepared dry milk powder solution (50 mg/mL) to a PCR mix (25 to 50  $\mu\text{L}$ ). PCR with "hot start" is also recommended for better results.
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### Quality Control Specifications

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

**Purity (A260/A280):** 1.7 to 2.1

**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.

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**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.

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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 brasiliensis* strain WLRI 034(120) (ATCC 16404D-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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## Contact Information

ATCC

10801 University Boulevard

Manassas, VA 20110-2209

USA

US telephone: 800-638-6597

Worldwide telephone: +1-703-365-2700

Email: [tech@atcc.org](mailto:tech@atcc.org) or contact your local distributor

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