Genomic DNA from *Aspergillus brasiliensis* strain SN 26

9642D-2™

Description

Genomic DNA isolated from *Aspergillus brasiliensis* SN 26. This fungal strain is also available as ATCC® Catalog No.: 9642™.

Organism: *Aspergillus brasiliensis* Varga et al.

Derived from: *Aspergillus brasiliensis* SN 26 [Australian Mycol. Panel series 26, CBS 246.65, DSM 63263, IFO 6342, IMI 91855, NRRL 3536, NRRL A-5243, QM 386] (ATCC 9642)

Genome sequenced strain: Yes

Type strain: No

Mass: 2 µg

Shipping information: Stored in 1X TE buffer

Storage Conditions

Product format: Freeze-dried

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.

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

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 ≥ 250 µL 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 µL of freshly prepared dry milk powder solution (50 mg/mL) to a PCR mix (25 to 50 µL). PCR with "hot start" is also recommended for better results.

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.
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).

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 *Aspergillus brasiliensis* strain SN 26 (ATCC 9642D-2)

References

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

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