



# Genomic DNA from *Issatchenkia orientalis*

6258D-5™

## Description

Genomic DNA isolated from *Issatchenkia orientalis* strain ATCC® 6258D-5™.

**Organism:** *Issatchenkia orientalis* Kudrjanzev

**Derived from:** *Issatchenkia orientalis* [ATCC 749, CBS 573, CCRC 20514, IFO 1064, IFO 1395, JCM 1609, NBRC 1395, NRRL Y-413, NRRL Y-7179] (ATCC 6258)

**Genome sequenced strain:** Yes

**Type strain:** No

**Mass:** 5 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

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



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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 contents of vial with molecular grade H<sub>2</sub>O. DNA is dried in 1X Tris buffer.
  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 overnight at 4°C while rocking; then incubate for 1 hour at 65°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):** 1.7 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.

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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 *Issatchenkia orientalis* (ATCC 6258D-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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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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