



Product Sheet

# *Aspergillus niger* (ATCC® 6275™)

## Please read this FIRST



Storage Temp.  
**Frozen: -80°C or colder**  
**Freeze-Dried: 2°C to 8°C**  
**Live Culture: See Propagation Section**



Biosafety Level  
**1**

## Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

## Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: *Aspergillus niger* (ATCC® 6275™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

Or contact your local distributor

## Description

**Strain Designation:** 4247 [AM 324, CBS 131.52, CBS 769.97, DSM 1957, IFO 6341, IMI 45551, J. Friedrich A98, KCC F-0086, NRRL 334, QM 324, QM 458, Steinberg, TC 215-4247, WB 334]

**Deposited Name:** *Aspergillus niger* van Tieghem

**Product Description:** An ampoule containing viable cells (may include spores and mycelia) suspended in cryoprotectant.

## Propagation

The information recommended in this section is to assist users in obtaining living culture(s) for their studies. The recommendation does not imply that the conditions or procedures provided below are optimum. Experienced researchers may initiate the growth of a culture in their own way.

ATCC® Medium 336: Potato dextrose agar (PDA)

ATCC® Medium 28: Emmons' modification of Sabouraud's agar

ATCC® Medium 200: YM agar or YM broth

## Growth Conditions

**Temperature:** 24°C to 26°C

**Atmosphere:** Typical aerobic

## Recommended Procedure

For **freeze-dried (lyophilized) ampoules:**

1. Open an ampoule according to enclosed instructions.
2. From a single test tube of **sterile distilled water** (5 to 6 mL), withdraw approximately 0.5 to 1.0 mL with a sterile pipette and apply directly to the pellet. Stir to form a suspension.
3. Aseptically transfer the suspension back into the test tube of sterile distilled water.
4. Let the test tube sit at room temperature (25°C) undisturbed **for at least 2 hours**; longer (e.g., overnight) rehydration might increase viability of some fungi.
5. Mix the suspension well. Use several drops (or make dilutions if desired) to inoculate recommended solid or liquid medium. Include a control that receives no inoculum.
6. Incubate the inoculum at the propagation conditions recommended.
7. Inspect for growth of the inoculum/strain regularly. The sign of viability is noticeable typically after 2 to 4 days of incubation. However, the time necessary for significant growth will vary from strain to strain.

## Notes

No special notes.

Additional, updated information on this product may be available on the ATCC® web site at [www.atcc.org](http://www.atcc.org).

## DNA Sequence

18S ribosomal RNA gene, partial sequence; internal transcribed spacer 1, 5.8S ribosomal RNA gene, and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence  
GGTTTCCGTAGGTGAACCTGCGGAAGGATCATTACCGAGTGCGGGTCTTTGGGCCCAACTCCCATCC  
GTGTCTATTGTACCCGTTGCTTCGGCGGGCCCGCGCTTGTCGGCCCGGGGGGGCGCCTCTGCCCC  
CCGGGCCCGTGCCCGCCGAGACCCCAACGAACTGTCTGAAAGCGTGCAGTCTGAGTTGATTGA  
ATGCAATCAGTAAAACCTTCAACAATGGATCTCTTGGTCCGGCATCGATGAAGAACGCAGCGAAAT  
GCGATAACTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCGCCCCCTGG  
TATTCGGGGGGCATGCCTGTCCGAGCGTCATTGCTGCCCTCAAGCCCGGCTTGTGTGTTGGGTGCGCG  
TCCCCCTCTCCGGGGGACGGGCCGAAAGGCAGCGGGCGCACCGCTCCGATCCTCGAGCGTATGG  
GGCTTTGTACATGCTCTGTAGGATTGGCCGGCCCTGCCGACGTTTTCCAACCATTCCTTCCAGTTGA  
CCTCGGATCAGGTAGGGATACCCGCTGAACCTTAAGCATATCAATAA

D1D2 region of the 28S ribosomal RNA gene

ATATCAATAAGCGGAGAAAAGAAACCAACCGGGATTGCCTCAGTAACGGCGAGTGAAGCGGCAAG  
AGCTCAAATTTGAAAGCTGGCTCCTTCGGAGTCCGCATTGTAATTTGCAGAGGATGCTTTGGGTGCGGC  
CCCCGTCTAAGTGCCTGGAACGGGCCGTGAGAGGGTGAGAATCCCGTCTTGGCGGGGGTGTCCGT  
GCCCGTGTAAAGTCTTCGACGAGTTCGAGTTGTTGGGAATGCAGCTCAAATGGGTGGTAAATTTCA  
TCTAAAGCTAAATACTGGCCGGAGACCGATAGCGCACAAAGTAGAGTATCGAAAGATGAAAAGCAC  
TTTGAAAAGAGAGTAAACAGCACGTGAAATTTGAAAGGGAAGCGCTTGCAGCCAGACTCGCCCG  
CGGGGTTCCAGCGGCATTCGTGCCGGTGTACTTCCCCGTGGCGGGCCAGCGTCCGTTTGGCGGGCCG



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GTCAAAGGCCCTGGAATGTAGTGCCCTCCGGGCACCTTATAGCCAGGGGTGCAATGCGGCCAGCCT  
GGACCGAGGAACCGCTTCGGCACGGACGCTGGCATAATGGTCGTAACGAC

Beta-tubulin (bTub)

TTGCCCTCCCGCTCCCTCGTCCGTGAGGACGCGTCTGGTTGGCATCTCTTTTGTCTGGGACCCAC  
CGGTTCTTCGACCAACTATTCTGTGCTAACTGCATGTCTTCTCGCTTCATAGGTTACCTCCAACCG  
GCCAGTGTGAAGTCCAATATATGCTTCGGATGATTGCCCCAAAGGGTCTTGATTGGTGGTGGGA  
CTAAACAATATATCATGGTGGTTAGGGTAACCAAATTGGTGCTCTTTCTGGTACGTATACTAACTGCCA  
TTGGATTGGGGATGGAACATCGTCTTAGGCTATCTCAGCTTGAGTTCAGATGTTGTCCATTAGGTACA  
TGCTATCGGTCTAAGAACACGTCTAACAATTCAACAGGCAGACCATCTCTGGCGAGCACGGCCTTGAC  
GGCTCCGGTGTGTAAGTGCAACTTTTTCACACCTCTCAATTGGTCAACAATGGGCAAAGGGTTGGGTCT  
TCTGACACGCGAGGATGTTACAATGGCACCTCCGACCTCCAGCTGGAGCGCATGAACGTCTACTTCAA  
CGAGGTGAGATCCATCGGACCTTTGGCTTTTTCACGACAATATCATCAATGTCCTAATCACTTCAGCAGG  
CTAGCGGTAAACAAGTATGTTCTCGTGCCGTCCTCGTCGACCTCGAGCCCGGTACCATGGACGCCGTCC  
GTGCCGTCCTTTTCGGCCAGCTCTTCCGCCCGACAACCTTCGCTTCGGCCAGTCCGGTGTGGTAACAA  
CTGG



Isolation

Leather



References

References and other information relating to this product are available online at [www.atcc.org](http://www.atcc.org).



Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

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Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).  
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