



Product Sheet

# Aspergillus niger (ATCC® 16888™)

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® 16888™)

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:** WB 326 [CBS 554.65, IMI 50566, NRRL 326; 2766]  
**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 325: Malt extract agar (Blakeslee's formula)  
ATCC® Medium 28: Emmons' modification of Sabouraud's agar  
ATCC® Medium 336: Potato dextrose agar (PDA)

Growth Conditions

**Temperature:** 24°C to 26°C  
**Atmosphere:** Typical aerobic

Recommended Procedure

For **freeze-dry (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. Viability is typically noticeable after 1-2 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  
GGTTTCCGTAGGTGAACCTGCGGAAGGATCATTACCGAGTGC GGTCCTTTGGGCCCAACCTCCCATCC  
GTGTCTATTGTACCCTGTTGCTTCGCGGGCCCGCGCTTGTGCGCCGCCGGGGGGCGCCTCTGCCCC  
CCGGGCCCGTGCCCGCGGAGACCCCAACACGAACTGTCTGAAAGCGTGCACTCTGAGTTGATTGA  
ATGCAATCAGTTAAACTTTCAACAATGGATCTCTTGGTTCGGCATCGATGAAGAACGCAGCGAAAT  
GCGATAACTAATGTGAATTGCAGAATCAGTGAATCATCGAGCTTTGAACGCACATTGCGCCCCCTGG  
TATTCGGGGGGCATGCCTGTCCGAGCGTCAATTGCTGCCCTCAAGCCGGCTTGTGTGTTGGGTGCGCCG  
TCCCCCTCTCCGGGGGACGGGCCCGAAAGGCAGCGCGGCACCCGCTCCGATCCTCGAGCGTATGG  
GGCTTTGTACATGCTCTGTAGGATTGGCCGGCGCCTGCCGACGTTTCCAACCATCTTTCCAGGTTGA  
CCTCGGATCAGGTAGGATACCCGCTGAACCTAAGCATATCAATAA

D1D2 region of the 28S ribosomal RNA gene  
ATATCAATAAGCGGAGGAAAAGAAACCAACCGGGATTGCCTCAGTAACGGCGAGTGAAGCGGCAAG  
AGCTCAAATTTGAAAGCTGGCTCCTTCGAGTCCGCATTGTAATTTGCAGAGATGCTTTGGGTGCGGC  
CCCCGTCTAAGTGCCCTGGAACGGGCGGTACAGAGGGTGAGAATCCCGTCTTGGGCGGGGTGTCCT  
GCCCGTGTAAGCTCCTTCGACGAGTTCGAGTTGTTGGGAATGCAGCTCTAAATGGGTGGTAAATTTCA  
TCTAAAGCTAAATACTGGCCGGAGACCGATAGCGCACAAGTAGAGTGATCGAAAGATGAAAAGCAC  
TTTGAAGAGAGAGTTAAACAGCACGTGAAATTTGTTGAAAGGGAAGCGCTTGCACACAGACTCGCCCG  
CGGGGTTACGCCGGCATTTCGCGGTGTACTTCCCGGTGGGGGGCCAGCGTCCGTTTGGGCGGCCG  
GTCAAAGGCCCTGGAATGTAGTGCCCTCCGGGCACCTTATAGCCAGGGGTGCAATGCGGCCAGCCT  
GGACCGAGGAACGCGCTTCGGCACGACGCTGGCATAATGGTCGTAACGAC



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Beta-tubulin (bTub)

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TTGCCCTCCCGTCCTCGTCCGTCAGGAGACGCGTCGTTGGTTGGCATCTCTTTTGCTCGGGACCCAC  
CGGTTCTTCGACCAACTCATTCTTGCTAACTGCATGCTTCTTCGTTTCATAGGTTACCTCCAAACCG  
GCCAGTGTGTAAGTGCCAATATATGCTTCGGATGATTGCCCCCAAGGGTCTTGATTGGTGTGGTGA  
CTAAACAATATATCATGGTGGTTAGGGTAACCAAAATTGGTGCTGCTTTCTGGTACGTATACTGCA  
TTGGATTGGGGATGGAACATCGTCTCTTAGGCTATCTCAGCTTGAGTTCAGATGTTGTCATTAGGTACA  
TGCTATCGGTCTAAGAACACGTCTAACAATTCAACAGGCAGACCATCTCTGGCGAGCACGGCCTTGAC  
GGCTCCGGTGTGTAAGTGCAACTTTTTACACCTCTCAATTGGTCAACAATGGGCAAGGGTTGGGTCT  
TCTGACACGCAGGATGTTACAATGGCACCTCCGACCTCCAGCTGGAGCGCATGAACGTCTACTTCAA  
CGAGGTGAGATCCATCGGACCTTGGCTTTTTACGACAATATCATCAATGTCCTAATCACTTCAGCAGG  
CTAGCGGTAACAAGTATGTTCTCGTGCCGCTCTCGTGCACCTCGAGCCCGGTACCATGGACGCCGTCC  
GTGCCGTCTTTTCGGCCAGCTCTTCGCCCCGACAACCTCGTCTTCGGCCAGTCCGGTGCTGGTAACAA  
CTGG
```



## Isolation

Not available.



## 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.

## ATCC Warranty

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## Disclaimers

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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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