**Product Sheet**

*Aspergillus niger* (ATCC® 9029™)

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**Description**

**Strain Designation:** A1143 NRRL 3 [3; 320, CBS 120.49, DSM 2466, IMI 41876, N400, NRRL 566, WB 3, WB 566]

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

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

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**Storage Temp.**

- Frozen: -80°C or colder
- Freeze-Dried: 2°C to 8°C

**Live Culture:** See Propagation Section

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**Biosafety Level**

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**Intended Use**

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

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**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® 9029™)

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**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

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GGTTTCCGTAGGTGAACCTGCGGAAGGATCATTACCGAGTGCGGGTCCTTTGGGCCCAACCTCCCATCC
GTGTCTATTGTACCCTGTTGCTTCGGCGGGCCCGCCGCTTGTCGGCCGCCGGGGGGGCGCCTCTGCCCC
CCGGGCCCGTGCCCGCCGGAGACCCCAACACGAACACTGTCTGAAAGCGTGCAGTCTGAGTTGATTGA
ATGCAATCAGTTAAAACTTTCAACAATGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAAA
TGCGATAAATAGTGAATTTCAAGATCTGAATTACATCGATCTTTGAAACCATATTGCGCCGGCCCTCG
TATTCCCCCGGGGGCCGAGTCCGTCTGGCCGGAGTCCGTCCATCGATGGCTTTGAAACGATCGCCG
GCCGCCGCACTCAGTGGGGTTGCACTACGAGTCGAGTTGCTCTGGCCGAGTTTCAACCAATTTATTT
CCGAGTCCGCTGAGTGGAGGCCGGTGACTGACGCTCAGTGGTGGAGGCCGGGGCCGAGGCGAGTGG
GCCCGTGTAAAGCTCCTTCGACGAGTCGAGTTGTTTGGGAATGCAGCTCTAAATGGGTGGTAAATTTCA
TCTTTGCAGAAGCGGAGCCGGAGACAGTGACGACGCGACGCGAGCCGGAGAGCGGGGGGGGCGCTGG
CCGGGATCAGGTAGGGATACCCGCTGAACTTAAGCATATCAATAA
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D1D2 region of the 28S ribosomal RNA gene

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ATATCCTAAAGCGGGAGAAAGGAACCCCAACCCGGATTGCTCAGTAGAAACGGCGAGTGGAGCAGCG
AGCTCAATTGTGGAACTGGCTCTGGCGAGTGCTCCACATGATTTGCAAGGAGTTTGGTGCTGGGCCG
CCCGCCCTAAGTGCCTCGGAACGGGCGTCAGAGGCTGAATTCCCCGCTTGCGGGCGGGGTCGTCTG
GGCGGCCTAAGTCCTCGAGTAAGCGTGAGTTTGGGAATGCGAGTCGACTAATGGTGGATAATTCTCA
TCTAAAGCTAAAGCGGGAGGAAGCGGCGAGTCGAGTGAGTTTGGGAATGCGAGTCGACTAATGG
TTGGAAGGGGGGGGCGCTGGCCGGGATCAGGTAGGGATACCCGCTGAACTTAAGCATATCAATAA
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**Notes**

No special notes.

Additional information on this culture is available on the ATCC® web site at www.atcc.org.

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**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.

**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. The sign of viability is noticeable typically after 2-3 days of incubation. However, the time necessary for significant growth will vary from strain to strain.

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**ATCC® Medium 325:** Malt extract agar (Blakeslee’s formula)

**ATCC® Medium 200:** YM agar or YM broth

**ATCC® Medium 336:** Potato dextrose agar (PDA)

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**American Type Culture Collection**

PO Box 1549
Manassas, VA 20108 USA

www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor
GGACCGAGGAACGCGCTTCGGCACGGACGCTGGCATAATGGTCGTAAACGAC
beta-tubulin gene
TTGCCCTCCCCGTCCCTCGTCCGTCAGGAGACGCGTCGTTGGTTGGCATCTCTTTTGCTCGGGACCCCAC
CGGTTCTTCGACCAACTCATTCTTGTGCTAACTGCATGTCTTCTTCGCTTCATAGGTTCACCTCCAAACCG
GCCAGTGTGTAAGTGCCAATATATGCTTCGGATGATTGCCCCCAAGGGTCTTGATTGGTGTTTGGTGGA
CTAAACAATATATCATGGTGGTTAGGGTAACCAAATTGGTGCTGCTTTCTGGTACGTATACAACTGCCA
TTGGATTGGGGATGGAACATCGTCTCTTAGGCTATCTCAGCTTGAGTTCAGATGTTGTCCATTAGGTACA
TGCTATCGGTCTAAGAAACACGTCTTAAACATAACAGGCAACACATCTCGTGGGCAGACCCGCTTGGTCT
CTCGTACGACGAGGATAGTTACAATGGCACCTCCGACCTCCAGCTGGAGCGCATGAACGTCTACTTCAA
CGAGGTGAGATCCATCGGACCTTGGCTTTTTCACGACAATATCATCAATGTCCTAATCACTTCAGCAGG
CTAGCGGTAACAAGTATGTTCCTCGTGCCGTCCTCGTCGACCTCGAGCCCGGTACCATGGACGCCGTCC
GTGCCGGTCCTTTCGGCCAGCTCTTCCGCCCCGACAACTTCGTCTTCGGCCAGTCCGGTGCTGGTAACAA
CTGG

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

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.
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