**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.

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.

**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:

GGTTTCCGTAGGTGAACCTGCGGAAGGATCATTACCGAGTGCGGGTCCTTTGGGCCCAACCTCCCATCCGTGTCTATTGTACCCTGTTGCTTCGGCGGGCCCGCCGCTTGTCGGCCGCCGGGGGGGCGCCTCTGCCCGCCGGGCCCGTGCCCGCCGGAGACCCCAACACGAACACTGTCTGAAAGCGTGCAGTCTGAGTTGATTGAATGCAATCAGTTAAAACTTTCAACAATGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATGCGATAACTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCGCCCCCTGGTATTCCGGGGGGCATGCCTGTCAGCGTCATTGCTGCCCTCAAGCCCGGCTTGTGTGTTGGGTCGCCGGCCTCCCCCTCTCCGGGGGGACGGGCCCGAAAGGCAGCGGCGGCACCGCGTCCGATCCTCGAGCGTATGGGGCTTTGTCACATGCTCTGTAGGATTGGCCGGCGCCTGCCGACGTTTTCCAACCATTCTTTCCAGGTTGAGCTCTCGGATCAGGTAGGGATACCCGCTGAACTTAAGCATATCAATAAAGCGGAGGAAAAGAAACCAACCGGGATTGCCTCAGTAACCGGCAGTGAAGCGGCAAGAGCTCAAATTTGAAAGCTGGCTCCTTCGGAGTCCGCATTGTAATTTGCAGAGGATGCTTTGGGTGCGGCCCTCCGTCTAAGTGCCCTGGAACGGGCCGTCAGAGAGGGTGAGAATCCCGTCTTGGGCGGGGTGTCCGCTCCCGTGTAAAGCTCCTTCGACGAGTCGAGTTGTTTGGGAATGCAGCTCTAAATGGGTGGTAAATTTCTACTAAAGCTAAATACTGGCCGGAGACCGATAGCGCACAAGTAGAGTGATCGAAAGATGAAAAGCAC

D1D2 region of the 28S ribosomal RNA gene:

ATATCAATAAGCGGAGAAAGAAAGAACCAACCGGGATTTGCTCAGTAACCGGCAGTGAAGCGGCAAGAGCTCAAATTTGAAAGCTGGCTCCTTCGGAGTCCGCATTGTAATTTGCAGAGGATGCTTTGGGTGCGGCCCTCCGTCTAAGTGCCCTGGAACGGGCCGTCAGAGAGGGTGAGAATCCCGTCTTGGGCGGGGTGTCCGCTCCCGTGTAAAGCTCCTTCGACGAGTCGAGTTGTTTGGGAATGCAGCTCTAAATGGGTGGTAAATTTCTACTAAAGCTAAATACTGGCCGGAGACCGATAGCGCACAAGTAGAGTGATCGAAAGATGAAAAGCAC

**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™)

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Or contact your local distributor
GTCAAAGGCCCTGGAATGTAGTGCCCTCCGGGGCACCTTATAGCCAGGGGTGCAATGCGGCCAGCCTGGGACCGAGGAACGCGCTTCGGCACGGACGCTGGCATAATGGTCGTAAACGAC

Beta-tubulin (bTub)

TTGCCCTCCCCGTCCCTCGTCCGTCAGGAGACGCGTCGTTGGTTGGCATCTCTTTTGCTCGGGACCCCACGGTTCTTCGACCAACTCATTCTTGTGCTAACTGCATGTCTTCTTCGCTTCATAGGTTCACCTCCAAACCGGCCAGTGTGTAAGTGCCAATATATGCTTCGGATGATTGCCCCCAAGGGTCTTGATTGGTGTTTGGTGGA
CTAAACAATATATCATGGTGGTTAGGGTAACCAAATTGGTGCTGCTTTCTGGTACGTATACAACTGCCATTGGATTGGGGATGGAACATCGTCTCTTAGGCTATCTCAGCTTGAGTTCAGATGTTGTCCATTAGGTACA

TGCTATCGGTCTAAGAACACGTCTAACAATTCAACAGGCAGACCATCTCTGGCGAGCACGGCCTTGACGGCTCCGGTGTGTAAGTGCAACTTTTTCACACCTCTCAATTGGTCAACAATGGGCAAAGGGTTGGGTCTTCTGACACGCAGGATAGTTACAATGGCACCTCCGACCTCCAGCTGGAGCGCATGAACGTCTACTTCAA

CGAGGTGAGATCCATCGGACCTTGGCTTTTTCACGACAATATCATCAATGTCCTAATCACTTCAGCAGGCTAGCGGTAACAAGTATGTTCCTCGTGCCGTCCTCGTCGACCTCGAGCCCGGTACCATGGACGCCGTCC

GTGCCGGTCCTTTCGGCCAGCTCTTCCGCCACCTTCGTCTTCGGCCAGTCCGGTGCTGGTAACAACTGG

Isolation

Leather

References

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

Biosafety Level

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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