**Strain Designation:** NRRL 599 [Doelger 2, IMI 41874, X-172]

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

**Product Description:** An ampoule containing viable cells (yeast cells, spores, or agar cubes with mycelia) suspended in cryoprotectant.

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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.

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

**ATCC® Medium 323:** Malt agar medium  
**ATCC® Medium 336:** Potato dextrose agar (PDA)

**Growth Conditions**

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

**Recommended Procedure**

1. To thaw a frozen ampoule, place in a 25°C to 30°C water bath, until just thawed (approximately 5 minutes). Immerse the ampoule just sufficient to cover the frozen material. Do not agitate the ampoule.

2. Immediately after thawing, wipe down ampoule with 70% ethanol and aseptically transfer at least 50 µL (or 2-3 agar cubes) of the content onto a plate or broth with medium recommended.

3. Incubate the inoculum/strain at the temperature and conditions recommended. Inspect for growth of the inoculum/strain regularly. The sign of viability is noticeable typically after 2-4 days of incubation. However, the time necessary for significant growth will vary from strain to strain.

**Notes**

Additional information on this culture is 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:

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GGTTTCCGTAGGTGAACCTGCGGAAGGATCATTACCGAGTGCGGGTCCTTTGGGCCCAACCTCCCATCC
GTGTCTATTGTACCCTGTTGCTTCGGCGGGCCCGCCGCTTGTCGGCCGCCGGGGGGGCGCCTCTGCC
CCGGGCCCGTGCCCGCCGGAGACCCCAACACGAACACTGTCTGAAAGCGTGCAGTCTGAGTTGATTGA
ATGCAATCAGTTAAAAACCTTTTACAAATGGTCATCCTCTGTTCCGCATCGATGGAAGAACGCGAAAT
GGLAATAAATGCGATTCTTTGACGTATCAGACATCGATGTCTTTGAACGCACATTGCGCCCTGG
TATTCCGGGCAGCGGCGGTCTCGGCAGCATTGCATCGATGTCTTTGAACGCACATTGCGCCCTGG
TATTCCCGCTCCTCGGCAGCGGCGGTCTCGGCAGCATTGCATCGATGTCTTTGAACGCACATTGCGCCCTGG
TATTCCCGCTCCTCGGCAGCGGCGGTCTCGGCAGCATTGCATCGATGTCTTTGAACGCACATTGCGCCCTGG
TATTCCCGCTCCTCGGCAGCGGCGGTCTCGGCAGCATTGCATCGATGTCTTTGAACGCACATTGCGCCCTGG
TATTCCCGCTCCTCGGCAGCGGCGGTCTCGGCAGCATTGCATCGATGTCTTTGAACGCACATTGCGCCCTGG
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beta-tubulin gene
TTGCCCTCCCCGTCCCTCGTCCGTCAGGAGACGCGTCGTTGGTTGGCATCTCTTTTGCTCGGGACCCCAC
CGGTTCTTCGACCAACTCATTCTTGTGCTAACTGCATGTCTTCTTCGCTTCATAGGTTCACCTCCAAACCG
GCCAGTGTGTAAGTGCCAATATATGCTTCGGATGATTGCCCCCAAGGGTCTTGATTGGTGTTTGGTGGA
CTAAACAATATACATCATGTTAGGGTAACCAAATTGGTGCTGCTTTCTGGTACGTATACAACTGCCA
TTGGATTGGGGATGGAACATCGTCTCTTAGGCTATCTCAGCTTGAGTTCAGATGTTGTCCATTAGGTACA
TGCTATCGGTCTAAGAACACGTCTAACAATTCAACAGGCAGACCATCTCTGGCGAGCACGGCCTTGAC
GGCTCAGTGTTGAAGTGCAACTTTTTCACACCTCTCAATTGGTCAACAATGGGCAAAGGGTTGGGTCT
TCTGACACGCAGGATAGTTACAATGGCACCTCCGACCTCCAGCTGGAGCGCATGAACGTCTACTTCAA
CGAGGTGAGATCCATCGGACCTTGGCTTTTTCACGACAATATCATCAATGTCCTAATCACTTCAGCAGG
CTAGCGGTAACAAGTATGTTCCTCGTGCCGTCCTCGTCGACCTCGAGCCCGGTACCATGGACGCCGTCC
GTGCCGGTCCTTTCGGCCAGCTCTTCCGCCCCGACAACTTCGTCTTCGGCCAGTCCGGTGCTGGTAACAA
CTGG

References

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

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