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

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.

ATCC® Medium 28: Emmons' modification of Sabouraud's agar
ATCC® Medium 323: Malt agar medium
ATCC® Medium 336: Potato dextrose agar (PDA)

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 in the 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.

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® 1015™)

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

Additional, updated information on this product may be available on the ATCC® web site at www.atcc.org.
GGTCAAAGGCCCTGGAATGTAGTGCCCTCCGGGGCACCTTATAGCCAGGGGTGCAATGCGGCCAGC
CTGGGCACCGGCGCTTCGGCACGGACGCTGGCATAATGGTCGTAAACGAC

Beta-tubulin (bTub)

TTGCCCTCCCCGTCCCTCGTCCGTCAGGAGACGCGTCGTTGGTTGGCATCTCTTTTGCTCGGGACCCCAC

CGGTTCTTCGACCAACTCATTCTTGTGCTAACTGCATGTCTTCTTCGCTTCATAGGTTCACCTCCAAACCG
GCCAGTGTGTAAGTGCCAATATATGCTTCGGATGATTGCCCCCAAGGGTCTTGATTGGTGTTTGGTGGA
CTAAACAATATATCATGGTGGTTAGGGTAACCAAATTGGTGCTGCTTTCTGGTACGTATACAACTGCCA
TTGGATTGGGGATGGAACATCGTCTCTTAGGCTATCTCAGCTTGAGTTCAGATGTTGTCCATTAGGTACA
TGCTATCGGTCTAAGAACACGTCTAACAATTCAACAGGCAGACCATCTCTGGCGAGCACGGCCTTGAC
GGCTCCGGTGTGTAAGTGCAACTTTTTCACACCTCTCAATTGGTCAACAATGGGCAAAGGGTTGGGTCT
TCTGACACGCAGGATAGTTACAATGGCACCTCCGACCTCCAGCTGGAGCGCATGAACGTCTACTTCAA
CGAGGTGAGATCCATCGGACCTTGGCTTTTTCACGACAATATCATCAATGTCCTAATCACTTCAGCAGG
CTAGCGGTAACAAATGTGTTCTCTCGTGCTCGGCTCTCGTGCAGGGGACGGCGATAGCAGGCGCTGC
GTGCGGTCTCTTCGGCCAGTCCGGTGCTGGTAACAA

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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