Strain Designation: NRRL 1526 [ATCC 12732, C. Thom 1034, CBS 329.47]
Deposited Name: Rhizopus oryzae Went et Prinsen Geerligs

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 200: YM agar or YM broth
ATCC® Medium 336: Potato dextrose agar (PDA)
ATCC® Medium 337: Potato, dextrose, yeast agar (PDY)

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.

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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TCAAGGTTGATCTTTTTGGTTATACTTCTATTCGCTTAGGTTGTTGGCTTAATGACTCTAAATGAC
RNA polymerase II largest subunit gene (RPB1)
CCACATTGATTTGGCCAAGCCAGTTTTTCATATTGGTAATAACAATAATTGGTAGAATTATGCTCAACTG
AACATTTGTAATTAGGGTTTTTAACTAAAATCAAGAAAATACTGGAATGTGTCTGTTTCCACTGCTCCA
AACTTAAAGTTGATCAAGTGAGTATTATTGTCATATTGTACTGCACCTCTTTTTTCCTAATGATTACAAAC
TTTAGTCAAACCCTCGATTTGAAAGAGCTAGAAGAATCAGCGATCGAAAAGTGAGACTTCGTGCTGTG
TGGGATATAGCAAAAACCAAAATGACTTGTGAAGGTGGCGACGAAGAAGATGGTTTAGAAGAAAAA
GAAGAGTTTAATAGCGGTAAACGCAAAAGCAACCACGGAGGCTGCGGTTATAAACAGCCTCTTATCC
GTAAAGATGGTTTAAAGCTTTATGCGCAGTTCCGCTCAAGTCCAGGAGATGTAAGTAGTGTCATTTGAT
CTACTGATTTGATATTTAATAATGTATTATTGTCAGGACTCTGGAAATGAAGGCAAACAGCAACTGACC
GCAGCAAAAGTTTTGCAAATATTAAAGAACATCCCCGATCAAGACATTCGAGATATGGGCTTATCTGA
AGAATATGCCAGACCTGAATGGATGATGATTACTGTCTTACCTGTGCCTCCTCCACAAGTTCGTCCTTCT
ATCCAAATTTGGTAGGACTGACTTGAAGGGTGAAGATGATTTGACCCACAAATTATCCGATATATTGAAGGC
AAATGCCAATGTCAAGCGTTGTGAATCAGAAGGTGCACCAGTTCATGTTGTAAATGAATTTGAGCAGC
TTTTGCAGTTCCACATTGCTACG

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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