Strain Designation: USDA 1336.2 [ATCC 9824, CBS 110.66, IMI 61271, NRRL 744, QM 477, VKM F-1827]

Deposited Name: Penicillium sp.

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

Propagation

The information recommended in this section is to assist 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 312: Czapek's agar
ATCC® Medium 28: Emmons' modification of Sabouraud's agar

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 to 4 days of incubation. However, the time necessary for significant growth will vary from strain to strain.

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

D1D2 region of the 28S ribosomal RNA gene

Intended Use

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

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: Penicillium ludwigii (ATCC® 9112™)

Biosafety Level 1

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

Live Culture: See Propagation Section

Notes

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


beta-tubulin (TUB2) gene
CCCACCCCGATTCGACGCGTCCTGTGTTTTCCCATTACCCCTGAAGTCAACAACCCCCACCTGTTCAGCC
TGTGCTAACCTCCCTCTTTTCGACGACTTTATAGGTCCACCTCCAGACCGGCCAGTGTGTAAGTGACGTC
CAGCAACACGTGGAAGAAGTGTCTATGTGAGGAATGTGATGGTTCGACTAAACGGAATTTGGGTGTTT
ATAGGGTAACCAAATCGGTGCCGCTTTCTGGTACGTGTCACGCCCGCCAAAAACTCCCTAGCAACAAC
AAACCATCCCCTCAATTGCAGCTTTTGATGTCGAAAGGAAATTTACTGACTCGAATTACAGGCAGACCATT
GCTGATGACGTGCGCTTTGACGCGATGGCGAGATGGAAAGTGCATAGCTGCTGATACCCTCGAC
GCGAACTGGCGCTGCATATTTTGGCTAGCTACAACGGTACCTCCGACCTCCAGCTCGAACGCCTGAA
CGTCTACTTCACCCACGTGAGTTGCGTGCCCAGCCAACGACAAACCCCAAAAGCAATTCTAACTATGA
ATATTTGCTATTAGGCCAGCGGTGACAAGTATGTTCCTCGTGCCGTTCTGGTCGATCTGGAGCCGG
TACCATGGACGCTGTCCGTGCCGGTCCCTTTGGCAAGCTCTTCCGTCCCGACAACTTCGTCTTCGGTCAG
TCCGGTGCCGGTAACAACTGG

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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