Description

Strain Designation: [CBS 277.47, IFO 4626, IMI 37767, PRL 1910, QM 943, Wis. Q-176]

Deposited Name: Penicillium chrysogenum Thom

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 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 325: Malt extract agar (Blakeslee’s formula)

ATCC® Medium 28: Emmons’ modification of Sabouraud’s agar

ATCC® Medium 336: Potato dextrose agar (PDA)

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.

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

GGTTTCCGTAGGTGAACCTGCGGAAGGATCATTACCGAGTGAGGGCCCTCTGGGTCCAACCTCCCACC
CGTGTTTATTTTACCTTGTTGCTTCGGCGGGCCCGCCTTAACTGGCCGCCGGGGGGCTTACGCCCCCGGG
CCCGCGCCCGCCGAAGACACCCTGAACTCTGTCTGAAGATTGTAGTCTGAGTGAAAATATAAATTATT
TAAAACTTTCAAAACAGGATCTTTGTTCCGCATCGATGAAGAACGCAGCGAAATGCGATACGTAA
TGTGAATTGCAAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCGCCCCCTGGTATTCCGGGGG
CATGCCTGTCCGAGCGTCATTTCTGCCCTCAAGCACGGCTTGTGTGTTGGGCCCCGTCCTCCGATCCCGG
GGGACGGGCCCGAAAGGCAGCGGCGGCACCGCGTCCGGTCCTCGAGCGTATGGGGCTTTGTCACCCG
CTCTGTAGGCCCGGCCGGCGCTTGCCGATCAACCCAAATTTTTATCCAGGTTACCTGGAGTACGAG
GATACCCCGCTAGAATGCATACATCAATAAA

D1D2 region of the 28S ribosomal RNA gene

ATATCATAATAGCCGAGGAAAAAGAACCACAGCGGATGTGCCCCAGTAAACCGCGAGTGAAACGCGCAA
GAGCTCTAATTGAAAGCTGAGCTCTCTGGGTCCAGCTTAAATGTAGGATGACTCCGCGCGCG
GTGCCCTACATCAGTCCTCGACGAGGCAGTCGATAGACGAGTGACTCCGCTAGGCAAGCGCCG
GCAGCCGCTGTGAGCTGCTCTCGAGAGCTGAGTTGGAGATAGTGAATCCTAGTTAGAGCTAGTAAATTT
CATCTAAAGCTAATTGACCCAGAGCAGCTACAGCAGAAGTAAAGTGAAGTATGACGAAAGAAGAAGC
ACTTCTGGAAAGAGATTTAAAAAGACACGTGAAATTGTTAGAAGAGAACGACCTGCAAGACACGCTG
CGCCGGTCTCGAGCCGATCTCGCGGCTGTAACCTCGACGGGCGGCGGCGGCGGCGGCGGCGGCGGCGG
CGTGCAAAAGCCCTGCAGATAGTACGCCCTACTGGGAGGCTGTTATAGCCGAGGTCGCAATGCGACCG
CTGAGCAGCGGAAACGGCCTGCGACTGGCCGATATTGCTGAAACGAC

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Penicillium rubens  (ATCC® 10002™)

**References**

References and other information relating to this product are available online at [www.atcc.org](http://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](http://www.atcc.org).

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