





Product Sheet

Talaromyces pinophilus (ATCC® 36839™)

Please read this FIRST



Storage Temp.
Frozen: -80°C or colder
Freeze-Dried: 2°C to 8°C
Live Culture: See Propagation Section



Biosafety Level
1

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: *Talaromyces pinophilus* (ATCC® 36839™)

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
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Or contact your local distributor

Description

Strain Designation: IMI 114933 [CBS 631.66, CEB 3296.31, IAM 7013]

Deposited Name: *Penicillium funiculosum* 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 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 336: Potato dextrose agar (PDA)
- ATCC® Medium 312: Czapek's agar
- ATCC® Medium 325: Malt extract agar (Blakeslee's formula)

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 2-4 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
GGTTTCGTTAGGTGAACCTGCGGAAGGATCATTACCGAGTGC GGCCCTCGCGGCCAACCTCCCACC
CTTGTCTCTATACACCTGTTGCTTTGGCGGGCCACCGGGGCCACCTGGTGC CGCGGGGACGCACGTCT
CCGGGCCCGCGCCCGCCGAAGCGCTCTGTGAACCCGTGTAAGATGGGCTGTCTGAGTACTGTGAAAA
TTGTCAAACTTTCAACAATGGATCTCTTGGTCCGGCATCGATGAAGAACGCAGCGAAATGCGATAA
GTAATGTGAATTGCAGAATCCGTGAATCATCGAATCTTTGAACGCACATTGCGCCCCCTGGCATTCCG
GGGGGCATGCCTGTCCGAGCGTCATTCTGCCCTCAAGCACGGCTTGTGTGTGGGTGTGGTCCCCCG
GGGACCTGCCGAAAGCAGCGCGACGTCCGTCTGGTCTCGAGCGTATGGGCTCTGTCACTCGCT
CGGGAAGGACCTGCGGGGTTGGTACCACCATGTTTACCACGGTTGACCTCGGATCAGGTAGGAGT
TACCCGCTGAACCTAAGCATATCAATAA

D1D2 region of the 28S ribosomal RNA gene

ATATCAATAAGCGGAGGAAAAGAAACCAACCGGGATTGCCTCAGTAACGGCGAGTGAAGCGGCAAG
AGCTCAAATTTGAAATCTGGCCCTTTGGGGTCCGAGTTGTAATTTGCAGAGGATGCTTCGGGTGCGGT
CCCCGTCTAAGTCCCTGGAACGGGCCGTATAGAGGTGAGAATCCCGTCTGGGATGGCGGCCGC
GCCCGTGTGAAGCTCCTTCGACGAGTCGAGTTGTTGGGAATGCACCTCTAAGCGGGTGGTAAATTTCA
TCTAAAGCTAAATACTGGCCGGAGACCGATAGCGCACAAGTAGAGTGATCGAAAGATGAAAAGCAC
TTTGAAGAGAGTAAACAGCACGTGAAATTTGTAAGGGAAGCGTTGTCCACCAGACTCGCCCG
GGGGGTTACCGGCCACGTGTCCGGTGTACTCTCCGGCGGGCCAGCATCGGTTTGGGCGGCT
GGTGAAGGCCCGGGAATGTGCCACCTTCGGGGTGCTTATAGCCCGGGGTCGCATACAGCCAGCC
TGGACCGAGGCCCGCGCTTCGGCGAGGATGCTGGCGTAATGGTGGTCAACGGC



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beta-tubulin gene

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CATTCTTTCCTCTGTCTCCCCCTCTTTGACGCGTCTCGGGTATTCTGTTTTGCACAACCCCTGACCACC  
CCACTTTGTGTCTGCTCTGGTATGTGTGTTTTGAAATGCTACAATGTGCTAATCGACGCTTGTCTCGAT  
ATAGTTTACCTCCAGACCGGCCAGTGCCTAAGTATTATCGATATCACCATGGAATGCTCGTTTTGTCTG  
AAATAAATATTGAGATTGGGTGTGATAGGTAACCAAATTGGTCTGCTTTCTGGTGAGTTGGGCTCTC  
GACCTGGAATTTCTATCAATTGTCGTGACACCACGTTGACTTTTCCAGGCAAAATCATCTCTGCTGAGCAT  
GGCCTCGATGGCTCTGGTGTGTAAGTATTACACGATTGCAATGCAGCTACAATCCGACAAGATCTGAT  
AATCAACAGCTACAATGGCTCCTCCGACCTCCAGTTGGAGCGTATGAACGTTTACTTCAACGAGGTGC  
GTCGAACCAATCCATTGTATAAGGGAACAAAGCTCATACTGGTGTAGGCTCCGGCAACAAATACGTT  
CCCCGTGCCGTCTCGTCTGACTTGGAGCCGGTACCATGGACGCGTCCGCGCTGGTCCCTTTGGTCAG  
CTCTTCCGTCCCGACAACCTTTGTTTTCCGGTCAGTCCGGTCTGGTAACAACCTGG
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Isolation

Polyvinyl chloride plastic, France

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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