



Product Sheet

Penicillium venetum (ATCC® 16025™)

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: *Penicillium venetum* (ATCC® 16025™)

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

Description

Strain Designation: IMI 19759 [CBS 201.57, QM 8403]

Deposited Name: *Penicillium cyclopium* Westling

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 28: Emmons' modification of Sabouraud's agar

ATCC® Medium 200: YM agar or YM broth

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. Viability is typically noticeable after 2-3 days of incubation. However, the time necessary for significant growth will vary from strain to strain.

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. GenBank accession number: KC146355

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GTTCCTAGGTGAACCTGCGGAAGGATCATTACCGAGTGAGGGCCCTCTGGGTCCAACCTCCCACCC  
GTGTTTATTTTACCTTGTGCTTCGGCGGGCCCGCCTTCACTGGCCGCCGGGGGCTCACGCCCCCGGGC  
CCGCGCCCGCGAAGACACCCTCGAACTCTGTCTGAAGATTGAAGTCTGAGTGAAAATATAAATTATT  
TAAACTTTCAACAACGGATCTCTTGGTTCGGCATCGATGAAGAAGCAGCGAAATGCGATACGTAA  
TGTGAATTGCAAATTCAGTGAATCATCGAGTCTTGAACGCACATTGCGCCCTCGTATCCGGGGGG  
CATGCTGTCCGAGCGTCATTGCTGCCCTCAAGCCCGCTTGTGTGGGCCCGCTCCCGATTCCGG  
GGGACGGGCCGAAAGGCAGCGGGCACCCTCGGTCCTCGAGCGTATGGGGCTTTGTACCCCG  
CTCTGTAGGCCCGGCCGCTTGGCGATCAACCAAAATTTTATCCAGGTTGACCTCGGATCAGGTAG  
GGATACCCGCTGAACCTAAG
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Large subunit ribosomal RNA gene, partial sequence. GenBank accession number: KC146370

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CATATCAATAAGCGGAGGAAAAGAAACCAACAGGGATTGCCCCAGTAACGGCGAGTGAAGCGGCAA  
GAGCTCAAATTTAAAGCTGGCTCCTTCGGGTCCGCAATTGTAATTTGCAGAGGATGCTTCGGGAGCG  
GTCCCATCTAAGTGCCCTGGAACGGGACGTATAGAGGGTGAAGTCCCGTATGGGATGGGGTGTCC  
GCGCCCGTGTGAAGCTCCTTCGACGAGTTCGAGTTGTTGGGAATGCAGCTCTAAATGGGTGGTAAATTT  
CATCTAAAGCTAAATTTGGCCGGAGACCGATAGCGCACAAAGTAGAGTGATCGAAAGATGAAAAGC  
ACTTTGAAAAGAGAGTTAAAAGCAGTGAATTTGTTGAAAGGGAAGCGCTTGCAGCCAGACTCGCT  
CGCGGGTTCAGCCGGCATTGCTGCGGTTACTTCCCGCGGGCGCCAGCGTGGTTTGGGCGGT  
CGGTCAAAGGCCCTCGGAAGGTAACGCCCTAGGGCGCTCTTATAGCCGAGGGTGAATGCGACCTG  
CCTAGACCGAGGAACGCGCTTCGGCTCGGACGCTGGCATAATGGTCGTAAGCGA
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beta-tubulin gene

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TATCCCCTCCAGACGCGTCTTTTGTTCACACGCGCCCTGAGCCATGACCCCACTCTCAACAGATCTTTT
GCTAACATGATCTAGGTTACCTCCAACCGGCCAGTGTGTAAGTTCGATATGGAATATCTTGGAAAC
ATTCTTCGATTCTGGGACTAAATTGGAATTGGCTTGCAGGGTAACCAAAATTTGGTCCGCTTTCTGGTA
AGTGCCGAGCTTTTTTTTTTCGCGTTGGGTATCAATTGACAGGTTACTAACTGGATTACAGGCAAACCA
TCTCTGGCGAGCACGGCTCGATGGTATGGACAGTAAGTTTTAATGGTATGAGGGTTCCGGTGGGA
TCACACGTCTGATATCTTGTAGGTACAATGGTACCTCCGACCTCCAGCTCGAGCGTATGAACGTCTAC
TTCAACCATGTGAGTCCAACGACTGAAAACGAATAATCGTGCATCATCTGATCGGATGTTTTCTTTGA
TAATCTAGGCCAGCGGTGACAAGTACGTTCCCGTGCCGTTCTCGTTCGATTTGGAGCCCGGTACCATGG
ATGCTGTCCGCTCCGGTCCCTTCGGCAAGCTTTCCGCCCGACAACCTTCGTCTTCGGTCAGTCCGGTGC
TGGTAACAACCTGG
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calmodulin gene

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TATTTGTGAGTGACTCTACATACAAATCGAAGACGTGAAGGTGCAACATGCTGACCGAGAGTTTGTTTT
GTTGCGGAATAGGACAAGGATGGCGATGGTACGTGTGGTCGCGCCGACAGCTCAGTTGAGCCACA
GCAGTGTCTCTGTGGTGAATTTCAAGAGAAAAGTCTCCTAACACACAATCTCCCAATAGGACAAA
TCACCACCAAGGAGCTGGGCACCGTATGCGCTCGCTGGGCCAGAACCCTCCGAGTCTGAGTTGCAG
GATATGATCAACGAGGTTGACGCCGACAACAACGGCACCATTGACTTCCCTGGTACTTGACCATAACC
CACTGATATAAACGAGAGACGGCTATTGACGTGCGATAGAATTCCTCA
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RNA polymerase II second largest subunit (RPB2) gene

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AAAGAAGCGACTCGATTTGGCTGGTCCGCTTTTGGCAAGTCTTTTCCGACTCTTTTACCCGAGTCACA
AAGGATCTTCAGCGTTATGTGCAGCGATGCGTTGAGACCAATCGCGAAATTTATCTCAACATTGGTATC
AAGGCTAGCACATTGACCGGTGGATTGAAGTATGCTCTTGTACTGGTAACTGGGGCAGCAGAAGA
AGGCGGCTTCTGCCAAGGCTGGTGTATCCAGGTGCTGAGTCGTTACACATTCGCTTCTCTTGTCTCA
CTTGCGCCGAACCAACACACCATTGGCAGAGATGAAAGATTGCCAAACCCCGCAACTCCATAAT
ACCCATTGGGGCTGGTCTGTCCGGCCGAGACACCCGAAGGTCAAGCTTGTGGTTTGGTCAAGAACCT
GGCACTGATGTGTACATACCGTTGGCACACCCGCGAGCCCATCGTGGACTTCATGATTCAACGCAA
CATGGAAGTCTCGAGGAGTTTGAACCGCAAGTGACGCCAACCGCACAAGGTGTTTCGTTAATGGT
GTCTGGGTGGGTATTACCGGGACCCTTCGCACCTTGTACTACGATGCAGAATCTGCGTCGACGAAAC
ATGATCTCCACGAAGTCAGTTTATTGATTGACATTCGTGAACGGGAGTTCAAATCTTACCAGATACT
GGACGTGTCTGCCGGCCACTGTTGTTATCGATAACGACCCCAAGAGTGAGAACTCGGGTGGATTGGT
CCTTAAACAAGGACCACATTCGGAAGCTCGAGTCCGACAAGACTTGCCAAACAGACTTGGGCCAGAA
GAACGCGGTGAACAATACTTCGGATGGGATGGTCTGGTGCCTCTGGAGCAGTTGAGTATGTGCAGCC
CGAAGAGGAGGAAACCATCATGATTGTCATGACCCCGAGGACCTCGAGATCTCTCGCCAGCTTCAGG
CTGTTACGCTCTGCCAGAAGACGAAACCAGCGATCCCAACAAGCGTGTTCGGTTCGATTCTCAGCCAG
CGTGCCACACCTGGACGCACTGCGAAATTCATCTAGTATGATCTTGGGTGTTTGGCCAGTATTATTC
CTTTCGGGATCACAAACAGTCGCGCGTAACACCTATCAGTCTG
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Isolation

Hyacinthus sp. bulb, England

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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Disclaimers

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Additional information on this culture is available on the ATCC web site at www.atcc.org.
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