



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**

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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™)

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PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

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Fax: 703.365.2750  
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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](http://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

```
GTTCCTAGGTGAACCTGCGGAAGGATCATTACCGAGTGAGGGCCCTCTGGTCCAACCTCCCACCC  
GTGTTTATTTTACCTTGTGCTTCGGCGGGCCCGCCTTCACTGGCCGCCGGGGGCTCACGCCCCCGGGC  
CCGCGCCCGCGAAGACACCCTCGAACTCTGTCTGAAGATTGAAGTCTGAGTGAAAATATAAATTATT  
TAAACTTTCAACAACGGATCTCTTGGTTCGGCATCGATGAAGAAGCAGCGAAATGCGATACGTAA  
TGTGAATTGCAAATTCAGTGAATCATCGAGTCTTTGAACGCACATTGCGCCCTCGTATCCGGGGGG  
CATGCTGTCCGAGCGTCATTGCTGCCCTCAAGCCCGCTTGTGTGGTGGCCCGCTCTCCGATTCCGG  
GGGACGGGCCGAAAGGCAGCGGGCACCCTCGGTCCTCGAGCGTATGGGGCTTTGTACCCCG  
CTCTGTAGGCCCGCCGGCGCTTGCCTGATCAACCAAAATTTTATCCAGGTTGACCTCGGATCAGGTAG  
GGATACCCGCTGAACCTAAG
```

Large subunit ribosomal RNA gene, partial sequence. GenBank accession number: KC146370

```
CATATCAATAAGCGGAGGAAAAGAAACCAACAGGGATTGCCCCAGTAACGGCGAGTGAAGCGGCAA  
GAGCTCAAATTTGAAAGCTGGCTCCTTCGGGGTCCGCAATTGTAATTTGCAGAGGATGCTTCGGGAGCG  
GTCCCATCTAAGTGCCCTGGAACGGGACGTATAGAGGGTGAAGTCCCGTATGGGATGGGGTGTCC  
GCGCCCGTGTGAAGCTCCTTCGACGAGTTCGAGTTGTTGGGAATGCAGCTCTAAATGGGTGGTAAATTT  
CATCTAAAGCTAAATTTGGCCGGAGACCGATAGCGCACAAAGTAGAGTATGATCGAAAGATGAAAAGC  
ACTTTGAAAAGAGAGTTAAAAGCAGTGAATTTGTTGAAAGGGAAGCGCTTGCAGCCAGACTCGCT  
CGCGGGTTCAGCCGGCATTGCTGCGGTTGACTTCCCGCGGGCGCCAGCGTGGTTTGGGCGGT  
CGGTCAAAGGCCCTCGGAAGGTAACGCCCTAGGGCGCTCTTATAGCCGAGGGTGAATGCGACCTG  
CCTAGACCGAGGAACGCGCTTCGGCTCGGACGCTGGCATAATGGTCGTAAGCGA
```



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## beta-tubulin gene

```
TATCCCCTCCAGACGCGTCTTTTGTTCACACGCGCCCTGAGCCATGACCCCACTCTCAACAGATCTTTT
GCTAACATGATCTAGGTTACCTCCAACCGGCCAGTGTGTAAGTTCGATATGGAATATCTTGGAAAC
ATTCTTCGATTCTGGGACTAAATTGGAATTGGCTTGCAGGGTAACCAAAATTTGGTCCGCTTTCTGGTA
AGTGCCGAGCTTTTTTTTTTCGCGTTGGGTATCAATTGACAGGTTACTAACTGGATTACAGGCAAACCA
TCTCTGGCGAGCACGGCTCGATGGTATGGACAGTAAGTTTTAATGGTATGAGGGTTCCGGTGGGA
TCACACGTCTGATATCTTGTAGGTACAATGGTACCTCCGACCTCCAGCTCGAGCGTATGAACGTCTAC
TTCAACCATGTGAGTCCAACGACTGGAAAACGAATAATCGTGCATCATCTGATCGGATGTTTTCTTGA
TAATCTAGGCCAGCGGTGACAAGTACGTTCCCGTGCCGTTCTCGTTCGATTTGGAGCCCGGTACCATGG
ATGCTGTCCGCTCCGGTCCCTTCGGCAAGCTTTCCGCCCGACAACCTTCGTCTTCGGTCAGTCCGGTGC
TGGAACAACCTGG
```

## calmodulin gene

```
TATTTGTGAGTGACTCTACATACAAATCGAAGACGTGAAGGTCGAACATGCTGACCGAGAGTTTGT
GTTGCGGAATAGGACAAGGATGGCGATGGTACGTGTGGTCGCGCCGACAGCTCAGTTGAGCCACA
GCAGTGTCTCTGTGGTGAATTTCAAGAGAAAAGTCTCTAACACACAATCTCCCAATAGGACAAA
TCACCACCAAGGAGCTGGGCACCGTATGCGCTCGCTGGGCCAGAACCCTCCGAGTCTGAGTTGCAG
GATATGATCAACGAGGTTGACGCCGACAACAACGGCACCATTGACTTCCCTGGTACTTGACCATAACC
CACTGATATAAACGAGAGACGGCTATTGACGTGCGATAGAATTCCTCA
```

## RNA polymerase II second largest subunit (RPB2) gene

```
AAAGAAGCGACTCGATTTGGCTGGTCCGCTTTTGGCAAGTCTTTTCCGACTCTTTTACCCGAGTCACA
AAGGATCTTCAGCGTTATGTGCAGCGATGCGTTGAGACCAATCGCGAAATTTATCTCAACATTGGTATC
AAGGCTAGCACATTGACCGGTGGATTGAAGTATGCTCTTGTACTGGTAACTGGGGCAGCAGAAGA
AGGCGGCTTCTGCCAAGGCTGGTGTATCCAGGTGCTGAGTCTTACACATTCGCTTCTCTTGTCTCA
CTTGCGCCGAACCAACACACCCATTGGCAGAGATGAAAGATTGCCAAACCCCGCAACTCCATAAT
ACCCATTGGGGCTGGTCTGTCCGGCCGAGACACCCGAAGGTCAAGCTTGTGGTTTGGTCAAGAACCT
GGCACTGATGTGTACATACCGTTGGCACACCCGCGAGCCCATCGTGGACTTCATGATTCAACGCAA
CATGGAAGTCTCGAGGAGTTTGAACCGCAAGTGACGCCAACCGCACAAGGTGTTTCGTTAATGGT
GTCTGGGTGGGTATTACCGGGACCCTTCGCACCTTGTACTACGATGCAGAATCTGCGTCGACGAAAC
ATGATCTCCACGAAGTCAGTTTATTGATTCGTGACATTCGTGAACGGGAGTTCAAATCTTACCAGTACT
GGACGTGTCTGCCGGCCACTGTTGTTATCGATAACGACCCCAAGAGTGAGAACTCGGGTGGATTGGT
CCTTAAACAAGGACCACATTCGGAAGCTCGAGTCCGACAAGACTTGCCAAACAGACTTGGGCCAGAA
GAACCGCGTGAACAATACTTCGGATGGGATGGTCTGGTGCCTCTGGAGCAGTTGAGTATGTGCAGCC
CGAAGAGGAGGAAACCATCATGATTGTCATGACCCCGAGGACCTCGAGATCTCTCGCCAGCTTCAGG
CTGTTACGCTCTGCCAGAAGACGAAACCAGCGATCCCAACAAGCGTGTTCGGTTCGATTCTCAGCCAG
CGTGCCACACCTGGACGCACTGCGAAATTCATCTAGTATGATCTTGGGTGTTTGGCCAGTATTATTC
CTTTCGGGATCACAAACAGTCGCGCGTAACACCTATCAGTCTG
```

## Isolation

*Hyacinthus* sp. bulb, England

## 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.

## ATCC Warranty

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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](http://www.atcc.org).  
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