



Product Sheet

Xanthophyllomyces dendrorhous (ATCC®) 96812™

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: *Xanthophyllomyces dendrorhous* (ATCC® 96812™)

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: NRRL Y-17270 [VKM Y-2273]

Deposited Name: *Phaffia rhodozyma* Miller et al.

Product Description: An ampoule containing viable cells 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 28: Emmons' modification of Sabouraud's agar

ATCC® Medium 200: YM agar or YM broth

ATCC® Medium 1245: YEPD

Growth Conditions

Temperature: 20°C

Atmosphere: Typical aerobic

Recommended Procedure

For **freeze-dry (lyophilized)** ampoules:

1. Open vial 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**; overnight rehydration is recommended.
5. Mix the suspension well. Use several drops to inoculate recommended solid or liquid medium.
6. Incubate cultures at recommended temperature.

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 26S ribosomal RNA gene, partial sequence
AAGGATCATTAGTAAATTTATTCGGGGTCTGTCTTTCGACGGGGCCCTACTCTTTCCTATTCTTTAAC
CCACACCTGTGTCTCTCTCGGAGACGCAAGCTCTTTTATCATTAAACAAACACCAGTCGATTGTATGT
TCGAAACACTATAAAACACAATAAACTTCAACAACGGATCTCTTGGTTCTCGCATCGATGAAGAAC
GCAGCGAATTGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTT
GCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGTGTGTCATGAAACACTCTCAACCGGGTGTCCCTTC
TTTGTGAGAGGGCCCTGGCTTGGACTTGGACGGTCTGTCTGGCCGAAAGCGGGCGGTGCCTTGACATGATAA
GAAATTGTCTCGATCGAGTGTCTGTGTGAGTGTGTGGGTTTCTCGGGGACACGCAGACTAGCTAG
TACAACAAACGACGCATGCGAACTGCTTCTAACGATACTGTGTGTGGTCTTTCGGGACTGCATGCG
CACACTTCTGATCGGGCCCTCAATCAGGTAGGACTACCCGCTGAACCTAAG

D1D2 region of the 26S ribosomal RNA gene

CATATCAATAAGCGGAGGAAAAGAACTAACAGGATCCCCTAGTAACGGCGAGTGAAGCGGGAT
GAGCTCAAATTTGAAATCTGGCAGCCTCCGGTTGTCGAGTTGTAACTAGAGAAGCGTTTTCCGTGCC
GGCCTGTGTACAAGTCCCTTGGAAATAGGGCGTCATAGAGGGTGAAGTCCCGTCTTGACACAGACCA
CCGGTGTATGTGATACGCTCTCGACGAGTCGAGTTGTTGGGAATGCAGCTCAAATTTGGGTGGTAAAT
TCCATCTAAGGCTAAATATTGGCGAGAGACCGATAGCGAACAAGTACCGTGAAGGAAAAGATGAAAA
GCACCTTTGAAAGAGAGTTAAACAGTACGTGAAATGTTGAAAGGGAAACGATTGAAGTCAGTCATG
CGTGCTCGGACTCAGCTGGGTTCCGCTCAGTCTATTTCCGGGTGCCGAGGTCAGCATCAGTTCCGGC
GGTGGAAAACGGCGGGGAAGGTGGCATCTCCGGATGTGTTATAGCCCCGTTTGGATGCATCGCGT
GGGACTGAGGAACGCAGCGCCCTTTACGGGTCCGGTCTCCGGACAGCAACCGCTTAGGATGCT
GGCATAATGGCTTTAAACGA

Isolation

Flux of *Betula verrucosa*, Moscow Region, Russia

References



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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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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

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

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