



Product Sheet

Wallemia mellicola (ATCC® 42694™)

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: *Wallemia mellicola* (ATCC® 42694™)

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: FRR 1471

Deposited Name: *Wallemia sebi* (Fries) von Arx

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 319: Harrold's M40Y

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 4-6 days of incubation. However, the time necessary for significant growth will vary from strain to strain.

Notes

Xerophilic

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
GAGTGTAAAACTCATAATCTTCTATACAAACCACTGTTTTAAAATGTTTACTAGAATGTCCAAGCAGT
TAAGCTGTTGAAATATTAAGTTTATAAACTTTTCAGCAACGGATCTCTTGGTTCAGGCATCGATGA
AGAACGCGACGAAATGCGATAAGTAATGTGAATTGCAGATACAGTGAATCATCGAATCTTTGAACGC
AAATGGCACTCTATGGTATCCGTAGAGTACGTCTGTTGAGCGTCGCGAACATCTCCATAATTAGTTTT
TTTTAAATTGATTGTGGGTTTTGAGGTTGTATATAAGCAATGACTCCCTTTAAAATAATTAGTGATGAC
CTTATGAATGGGTTAATACTGTGTGTTATAATGGATTACATCCATCACCAGTCAGAGAGTAATCTCGCC
TTAGTAATTTGTAGTGATTGCTTCTAACTGCCATTGGCAAACAACTGATCAAATCGACCTCAAATCAG
ATGGGATTACCCGCTGAACTTAAGCATATCAATAA

D1D2 region of the 28S ribosomal RNA gene

ATATCAATAAGCGGAGGAAAAGAACTAACAAGGATCCCTAGTAACGGCGAGTGAAGAGGGAAA
AGCTCAAATTTAAAAGCTGTTGTCTTTTCAGGCAACCGCATTGTAATCTCAAGAGTGTTCGATTGTAG
CCTGCGTATAAGTACCTTGAATAGGTTGGCATAGAGGGTAAAACCTCCGCTTTTGTATGCAGATTACTA
TGATCATGTGATACACTTTCTAAGAGTCGAGTTGTTGGGAATGCAGCTCAAATGGGTGGTAAATTC
ATCTAAAGCTAAATATTGGCCTGAGACCGATAGCGAACAGTACCCTGAGGGAAAGATGAAAAGCA
CTTTGGAAAGAGAGTCAAACGAACTGAAATTTGCTGAAAGGGAAAGCGTTTGAAGTTAGTCTGATG
GAGTTGTTCAATTTGTTACTTTGTTTCAATGTATGCAACTTTTTATCGGTCAACATCAATTTGATTGATG
GATAAAGGTAATAGGAATGTGGCTACAATTTGTAGTGTATAGCCTATTATCATAAACATTGATTGAGA
TTGAGGACGGCAGTGTACCTTTAGGAAGGTGTTCCGCACCTATTACACTAAGGATGTTGACAAAATAG
CTTTAAGCGAC



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RNA polymerase II largest subunit (RPB1) gene

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TCCATATTGGTACGTGTGGTTGTGCGTAGGCACACTGTCAGCTGACTCCGTTCTCAGGTTTCTTGACGAA  
AATCAAAAAATCATTGAAAGTATTTGTGTTAATTGGTAGATTATTGGCGGATGAAGTTTGTTCATC  
GTTATATCTACGCTTACAGACTAACGCATCTCCAGAATGACCCAGAAGCTCGAAAGATAGTTCCGACC  
GTTCCAGTGGGAAAGAGGCGGTTTGAAGCTGTACACGCGTACTGTACGAAAATCAGTATTTGTAAACC  
GGACGAACCAATGAGAATGGTGAGGATGCACCACCATCTCAACCAGGTCACGGTGGTTGTGGTCGT  
CTACAACCAGCTATCAGAAGGGAAGCATTGAAGTTGTTTTCTGTGAACAAACAACAAAAACATGATG  
AGGAGGCGAGTATTCAATGAAGCGCTTCTATCCCTTCTAACAACCTGTAGGATGACACGAAAGCTCA  
GCAGGATAAGCGTCAGCTTTCAGCTGCAGAAGTTTACACGTTATTTAAAAAGATCCGGATAGTGACA  
TAACCTCGATGGGTCTTTCAGCTGAATTCGCTCGTCCAGATTGGATGATTATCACCGTTCTCCAGTTCT  
CCACCTCAGTCCGTCCTTCAATTGCCGTCGACGGTGGTCTACCCGCTCAGAAGATGATCTGACATAT  
AAGCTCGCCGATATCCTTAAATACACTGCAACACTTCGTCTGTTTCGAATCTGAAGGCGCTCCAGCGCAC  
ATTATTAGTGAATAAACAATTAGTTCAATTCCACGTAGCT
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Isolation

Bread, Australia



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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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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