



Product Sheet

Pestalotiopsis sp. (ATCC® 11816™)

Please read this **FIRST**



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: *Pestalotiopsis* sp. (ATCC® 11816™)

American Type Culture Collection
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Manassas, VA 20108 USA
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Or contact your local distributor

Description

Strain Designation: QM531 [Pan H5 F1A]

Deposited Name: *Pestalotia royenae* (Saccardo) Steyaert, anamorph

Product Description: An ampoule containing viable cells (yeast cells, spores, or agar cubes with 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)

Growth Conditions

Temperature: 24°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 5-6 days of incubation. However, the time necessary for significant growth will vary from strain to strain.

Colony and Cell Morphology: On PDA media at 25°C after 8 days, mycelium creamy white to tan, cottony in patches, becoming darker with age as conidia develop. Hyphae hyaline, guttulate. Conidia hyaline becoming reddish brown with age, segmented, sometimes bent, with 1-4 appendages, 13.5-16.5 X 6 µm.

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: AGGGATCATTATAGAGTTTTCTAACTCCCAACCCATGTGAACCTTACCTTTTGTTCCTCGGCAGAAAGTT ATAGGTCTTCTTAGCTGCTGCCGGTGGACCATAAACTCTTGTTATTTATGTAATCTGAGCGTCTTAT TTTAATAAGTCAAACCTTCAACAACGGATCTCTGGTTCTGGCATCGATGAAGAACGCAGCGAAATG CGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCATTAGT ATTCTAGTGGGCATGCCTGTTTCGAGCGTCATTTCAACCCCTAAGCCTAGCTTAGTGTGGGAATCTACTT CTTTATAGTTGTAGTTCCTGAAATACAACGGCGGATTTGTAGTATCCTCTGAGCGTAGTAATTTTTTCTC GCTTTTGTAGGTGCTATAACTCCAGCCGCTAAACCCCAATTTTTTGTGGTTGACCTCGGATCAGGTA GGAATACCCGCTGAACCTAA

D1D2 region of the 28S ribosomal RNA gene:

ATATCAATAAGCGGAGGAAAAGAAACCAACAGGGATTGCCTTAGTAACGGCGAGTGAAGCGGCAAC AGCTCAAATTTGAAATCTGGCCCTTGGGTCCGAATTGTAATTTGTAGAGGATGATTTGGTGCGGTATCT TCCGAGTTCCTTGGAACAGGACGCCCTTAGAGGGTGAAGGCCCGTACGGTTGAATGCCTAGCCTCTGT AAATCTCCTTCGACGAGTCGAGTAGTTTGGGAATGCTGCTCTAAATGGGAGGTAATTTCTCTAAAGC TAAATATTGGCCAGAGACCGATAGCGCACAAAGTAGAGTATCGAAAGATGAAAAGCAGCTTTGAAAA GAGGGTTAAATAGCACGTGAAATTTGAAAGGGAAGGATTTGTGACAGACTTTTTCTGGCGGATC ATCCGGGGTCTCTCCGGTGCCTTCGCCAGTAAAGGCCAGCATCGGTTTTCCGGCTGGGATAAAAG CAGTAGGAATGTGGCTCTACGGGGAGTGTATAGCCTGTTGTATAATACCGCGCTGGGACCGAGG TTCGCGCTTCTGCAAGGATGCTGGCGTAATGTTATCAATCA



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Isolation

textile sample, Panama

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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