Penicillium aculeatum

(ATCC® 10409™)

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 aculeatum (ATCC® 10409™)

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

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

1D12 region of the 28S ribosomal RNA gene
CATATCAATAGGGCGAGGAAAAAGAAACCAACGGCAGGATTGCCCTCAGTAAAGCGCAGGTTAGAAGCGGCAA
GAGCTCTAATTGGAAATCTGGCAGCCCTTTGGGGTCCTGCAATTTGGAGCAAGATGGCTGCCTGGTGCGCG
TCCCGCTCTAGTCGCTGGCGCTAAGAGCGGCTGTGACCGAATGGAGTTAGATCCTGCTGGCGGTGCCTG
GCCGGGGTGAAGCCTCTGCAGCAGCTGAGTGGTTCTTGGGAATGGCAGCTCAGAAGGCTGGTGTAAATTCTCA
CTAACAGTCTAACATGTGCCAGCAGCCAGATGAGGCACGGCAGGAGATAGAGGAGAGAAAGGACAC
TTGAAAGGAGAAGGTAAAACGACAGCCTGAAATGGAGTTAAGAGAAAGGCTTGTCACCAAGATCCGGCGC
CGGGGGTGTCACGGCGCAGGCTGAGCTGCCCTGCTGGCGGTGACTCTCTCCGCGGGCCCGACGCATGGCTGTTGGCGCGCT
GGTGCAAGCGCCCGGAGATGACACCTCCGGGCTGTGCTCTAAGCCGGCGGTGATCAAGCCAGAGC
CTGAGGACGGCCCGCCTGGGGCAGGATGCTGGTGGCTCAACCGG
Penicillium aculeatum
(ATCC® 10409™)

Isolation

Textiles, Florida

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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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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