Storage Temp.
Frozen: -80°C or colder
Freeze-Dried: 2°C to 8°C
Live Culture: See Propagation Section

Biosafety Level 2

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: Aspergillus fumigatus (ATCC® 1022™)

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 1-2 days of incubation. However, the time necessary for significant growth will vary from strain to strain.

Colony and Cell Morphology: On PDA medium at 25°C after 22 days, mycelium are white becoming olive green, velutinous to cottony and the reverse is tan. The conidia are verrucose and olive green. The vesicles are sub-globose to clavate and 16.5 to 18 µm. The hyphae are hyaline.

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.

ATCC® Medium 312: Czapek's agar
ATCC® Medium 336: Potato dextrose agar (PDA)
ATCC® Medium 28: Emmons' modification of Sabouraud's agar

Growth Conditions
Temperature: 24°C to 26°C
Atmosphere: Typical aerobic

Notes
No special notes.
Additional, updated information on this product may be available on the ATCC® web site at www.atcc.org.


TCTAAAGCTAAATACTGGCCGGAGACCGATAGCGCACAAGTAGAGTGATCGAAAGATGAAAAGCAC
TTTGAAAAGAGAGTTAAACAGCACGTGAAATTGTTGAAAGGGAAGCGTTTGCGACCAGACTCGCCCG
CGGGGTTCAGCCGGCATTCGTGCCGGTGTACTTCCCCGTGGGCGGGCCAGCGTCGGTTTGGGCGGCCG
GTCAAAGGCCCTCGGAATGTATCACCTCTCGGGGTGTCTTATAGCCGAGGGTGCAATGCGGCCTGCCT
GGACCGAGGAACGCGCTTCGGCTCGGACGCTGGCGTAATGGTCGTAAATGAC

Lung of chicken, Connecticut

Isolation

References

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.

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