An ampoule containing viable cells (may include spores and mycelia) suspended in cryoprotectant.

After 5 days at 25°C sporangiophores smooth or slightly rough; brown in color. Sporangia globose or subglobose; spinous; black at maturity. Columellae globose, or subglobose; smooth; pale brown. Sporangiospores elliptical, globose or polygonal; striated; 5-8 µm in length.

Chlamydompores abundant; globose elliptical, lemon-shaped or cylindrical. Rhizoids abundant.

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 200: YM agar or YM broth
ATCC® Medium 323: Malt agar medium
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 2-4 days of incubation. However, the time necessary for significant growth will vary from strain to strain.

Citation of Strain
If use of this culture results in a scientific publication, it should be cited in the following manner:
Rhizopus oryzae (ATCC® 56536™)

Product Description:
Rhizopus oryzae (ATCC® 56536™)

Propagation

Citation of Strain
If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner:
Rhizopus oryzae (ATCC® 56536™)
AGAACTTTGAAAAGAGAGTTAAACAGTATGTGAAATTGTTAAAAGGGAACCGTTTGGAGCCAGACTG
GCTTGTCTGTAATCAATCTAGGCTTCGGCCTGGATGCACTTGCAGGCTATGCCAACGACAATTTG
ACTTGAGGGAAAAAATAGGGGAAATGTGGCCCACTTGTGGGTGTTATAGTCCCTTAGAAAATACCTT
GGGGTTGGATTGAGGAACGCAGCGAATGCTTATTGGCGAGTTTTCCAGGAAGGTTTTCTGAGGTACTAC
GGTATCAAGGTGTCTTTTGGTTATCTTCTATTCGCTTAGGTTGTTGGCTTAATGACTCTAAATGA

Postmortem lung issue of 24-year-old man with acute lymphoblastic leukemia, the Netherlands

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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