Product Sheet

Alternaria alternata (ATCC® 6663™)

Please read this FIRST

Deposited Name: Alternaria tenuis Nees

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.

Recommended Procedure

For freeze-dry (lyophilized) ampoules:

1. Open the 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.

Notes

Black light may promote sporulation. This strain sporulates best on Rabbit Food Agar.

Additional, updated information on this product may be available on the ATCC® web site at www.atcc.org.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: Alternaria alternata (ATCC® 6663™)

References

1. Experienced researchers may initiate the growth of a culture in their own way.
2. The recommendation does not imply that the conditions or procedures provided below are optimum.

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; and 28S ribosomal RNA gene, partial 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 343: V8 juice agar
ATCC® Medium 336: Potato dextrose agar (PDA)
ATCC® Medium 340: Rabbit food agar

1. Decontaminated suspension rinse from inoculum:
   - ATCC® Medium 343: V8 juice agar
   - ATCC® Medium 336: Potato dextrose agar (PDA)
   - ATCC® Medium 340: Rabbit food agar

2. Recommended Procedure

   a. Open the ampoule according to enclosed instructions.
   b. 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.
   c. Aseptically transfer the suspension back into the test tube of sterile distilled water.
   d. 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.
   e. 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.
   f. Incubate the inoculum at the propagation conditions recommended.
   g. 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.

3. Notes

   a. Black light may promote sporulation. This strain sporulates best on Rabbit Food Agar.
   b. Additional, updated information on this product may be available on the ATCC® web site at www.atcc.org.

4. DNA Sequence

   a. 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; and 28S ribosomal RNA gene, partial 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.
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: *Alternaria alternata* (ATCC® 6663™)

References

References and other information relating to this product are available online at [www.atcc.org](http://www.atcc.org).

ATCC® Biosafety Level: 1

Appropriate safety procedures should always be used with this product. 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 for Disease Control and Prevention and National Institutes for Health.

ATCC Warranty

ATCC® products are warranted for 30 days from the date of shipment, and this warranty is valid only if the product is stored and handled according to the information included on this product information sheet. If the ATCC® product is a living cell or microorganism, ATCC lists the media formulation that has been found to be effective for this product. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this product. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

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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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