



Product Sheet

Cryptococcus albidus (ATCC® 66030™)

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
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: *Cryptococcus albidus* (ATCC® 66030™)

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Strain Designation: AmMS 228

Deposited Name: *Cryptococcus albidus* (Saito) Skinner

Product Description: An ampoule containing viable cells 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 28: Emmons' modification of Sabouraud's agar

ATCC® Medium 200: YM agar or YM broth

ATCC® Medium 323: Malt agar medium

Growth Conditions

Temperature: 20°C to 25°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 1-2 days of incubation. However, the time necessary for significant growth will vary from strain to strain.

Colony and Cell Morphology: Colonies cream-colored to tan, liquid to mucoid, glossy, with entire margins. Cells globose-ovoid-ellipsoid, reproducing by budding, single, in pairs, or as small clusters.

Notes

No special 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
GGTTTCCGTAGGTGAACCTGCGGAAGGATCATTAAATGATTAAGTGTCTGTCGAGCTTGCTCACAGACTT
ATCATATCCATAACACCTGTGCACTTGTGGATGGCTTAGTGAAGACCGCAAGGTTGGAACATCCATC
TACTTTACATAACAATTTAGTAACAAATGTAGTCTTATTATAACATAATAAACTTTCAACAACGGATC
TCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTG
AATCATCGAATCTTTGAACGCACCTTGCCTCCCTGGTATTCCGGGGAGCATGCCTGTTTGGTGTGCATG
AAAACCTCAACCTTAGATTGGTTAACACCTTTCTTGGCTTGGATTGGACGTTTGGCGATGATAAGT
GGCTCGTCTAAAAGTAATAGCTGGATCTGTCTCGCAGCATGGTTTACTTGGCGTAATAAGTATTTCCG
CTAAGGACATCTTCGGATGGCCGCGTTGCAAGACTAAAGACCGCTTCTAATCCATTGATCTTCGGATT
AATATTCTTGACATCTGGCTCAAATCAGGTAGGACTACCCGCTGAACTTAAGCATATCAATAA

D1D2 region of the 28S ribosomal RNA gene

ATATCAATAAGCGGAGGAAAAGAACTAACAAGGATCCCTAGTAACGGCGAGTGAAGCGGGAAG
AGCTCAAATTTGAAATCTAGTAGCCTTCGGCTGCTCGAGTTGTAATCTAGAGAAGTGTTCCTCGTCCG
GCCATGTACAAGTCCCTTGAACAGGGCGTCATAGAGGGTGAAGTCCCGTCTTGACATGGACCCC
CGGTGCTCTGTGATACACTTCAACGAGTCGAGTTGTTGGGAATGCAGCTCAAATGGGTGGTGAATT
CCATCTAAAGCTAAAATATTGGCGAGAGACCGATAGCGAACAAGTACCCTGAGGGAAAAGATGAAAAG
CACTTTGAAAAGAGAGTTAAACAGTACGTGAAATTGTTGAAAGGAAAACGATTGAAGTCACTCATGC
TCTTTGGTATTTATATCATTGAGTGGGGTCAACATCAGTTTTGATCGATGGATAAAGGCACTAGGAAGG



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TAGCACTCTCGGGTGAACCTTAGCCTAGCGTCATATACATTGATTGGGACTGAGGAACGCAGCATGC
CTTTATGGCCGGGATTTCGTCACGTCATACGCTTAGGATGTTGACATAATGGCTTTAAACGAC

RNA polymerase II largest subunit (RPB1) gene

CCATATTGAACTGGCGCGGCCATCTTTCATCCCGATTTCATGAAGACGGTCAAGAAAATCCTCGAGA
CCGTGTGCACAAACTGCGGCAAGCTCAAGGTCGACAACCCGCGATCGCAGCTTGTCTCGACGCTGAAC
CGGCTGCAGCCAAAGTACCGGCTCAAGTATGTGCACGAGGCCGCCAAGGGGGTTCATGGTGTGCGAAG
AGGATGAAGGACCGGACGAGCAGGAAACTTGCCGCCACCGGGCCACGGAGGCTGCGGTGCATCGTC
AGCCGCTCATCGAAGAGAGGGCACCAAGATGTTCCGCGTGTACAAGAAGCAGGAAGAGGACGCCG
ACGCCAAGAGCCGGAAGGATAACGCCCCGAGCGTCCGCCGACAGCGCAACCTTTCGGCCAGGAAT
GCCACAACATTCTCAAGAAAATGTCGGCGGGCGATATGGAAGTGTCTCGGTCTTTCGGAAAGAGTTTGGC
AGGCCGGATTGGATGGTGTCTACCGTGTCCCGTTCGCGCCGCGCCGTCAGGCCGTCGTCGTTTCC
CCGGGTAAGCCAGCGCACAAAGTACTTGTGACGTACAAGTTGGCGGAAATCATCAAGGCCAACCGC
AGTTTGCAAAAGGCCGAGCAGGAGGGCAGTCCGGCGTACATTATCAATCAGTTTATCGAGTTGCTCCA
AGTGAGTCGAGATTTTCACGCTCAAGCGCAGGGCGAATGAGCTGAACGAATCCCCTTTCAGTACCAT
GTCGTCACC

elongation factor (EF) 1-alpha gene

AGGCCGACTGTGCCATCCTATCATCGCCTCCGGTATCGGAGAGTTCGAGGCTGGTATCTCCAAGGAC
GGTCAGACCCGAGAGCAGCCCTTTTGGCCCTCACCTCGGTGTCCGACAGCTCATATTGCCATCAAC
AAGATGGACACCTGCAAGGTTAGTTCGACGGTCTGGTCTCTGTACGAATCTTGTGACCCCTTTTACA
GTGGTCCGAAGACCGATACAACGAAATCGTCAAGGAGGCTTCCGGTTTCATCAAGAAGGTCGGATAC
AACCCCAAGACCGTTCCCTTTCGTCGCCATCTCCGGATGGCAGCAGGACAAACATGTTGGAGGAGTCCAC
CAACATGCCCTGGTACAAGGGATGGCACAAGGAGTCCAAGGCCGGTGTGTCAGGGAAAGACCTTG
CTCGAGGCCATCGACGCCATCGAGCCCTACCCGACCTTCCGACAAGCCCTTTCGATTGCCCTCCAG
GATGTCTACAAGATCGGTGGTATCGGTACGGTCCCGTCCGGTTCGAGTCGAGACCGGTGTCATCAAGGC
TGGTATGGTCGTACCTTCCGCCCTGCCAACGTACCACCGAAGTCAAGTCCGTCGAAATGCACCACG
AACAGCTCGGTGAGGGTGTCCCGGTGACAACGTCCGGTTTCAACGTCAAGAACGTTTCCGTCGAAGGAC
ATCCGACGAGGAAACGTCTGCTCCGACTCGAAGAACGACCCCGCTATGGAGTCTGCTTCTTCAACGC
TCAGGTCAATTGTCTTGAACACCCGGTCCAGTCCGGTCCCGGCTACTCCCGGTTTGGACTGCCACAC
CGCTCACATTTGCCTGCAAGTTTCGCTGAGCTCGTTGAGAAGATCGACCGACGAACCGGTAAGGTCATGG
AGGCCGCCCAAGTTCGTCGAAGTCCGGTGA

References

References and other information relating to this product are available online at www.atcc.org.

Biosafety Level: 2

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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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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