



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**

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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™)

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PO Box 1549  
Manassas, VA 20108 USA  
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Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto: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](http://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  
ATCATATCCATAACACCTGTGCACTTGTGGATGGCTTAGTGAAGACCGCAAGGTTGGAAGCTATCCATC  
TACTTTACATAACAATTTAGTAACAAATGTAGTCTTATTATAACATAATAAACTTTCAACAACGGATC  
TCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTG  
AATCATCGAATCTTTGAACGCACCTTGGCCTCCCTGGTATTCCGGGGAGCATGCCTGTTTGGTGTGCATG  
AAAACCTCAACCTTAGATTGGTTAACACCTTTCTTGGCTTGGATTGGACGTTTGGCGATGATAAGT  
GGCTCGTCTAAAAGTAATAGCTGGATCTGCTCGCGACATGGTTTACTTTGGCGTAATAAGTATTTCCG  
CTAAGGACATCTTCGGATGGCCGCGTTGCAAGACTAAAGACCGCTTCTAATCCATTGATCTTCGGATT  
AATATTCTTGACATCTGGCCTCAAATCAGGTAGGACTACCCGCTGAACTTAAGCATATCAATAA

D1D2 region of the 28S ribosomal RNA gene


ATATCAATAAGCGGAGGAAAAGAACTAACAAGGATCCCTAGTAACGGCGAGTGAAGCGGGAAG  
AGCTCAAATTTGAAATCTAGTAGCCTTCGGCTGCTCGAGTTGTAATCTAGAGAAGTGTTCCTCGTGCCG  
GCCATGTACAAGTCCCTTGAACAGGGCGTCATAGAGGGTGAAGTCCCGTCTTGACATGGACCCC  
CGGTGCTCTGTGATACACTTCAACGAGTTCGAGTTGTTGGGAATGCAGCTCAAATGGGTGGTGAATT  
CCATCTAAAGCTAAAATATTGGCGAGAGACCGATAGCGAACAAGTACCCTGAGGGAAAAGATGAAAAG  
CACTTTGAAAAGAGAGTTAAACAGTACGTGAAATTGTTGAAAGGAAAACGATTGAAGTCACTCATGC  
TCTTTGGTATTATATCATTGAGTGGGGTCAACATCAGTTTTGATCGATGGATAAAGGCACTAGGAAGG



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TAGCACTCTCGGGTGAACCTTAGCCTAGCGTCATATACATTGATTGGGACTGAGGAACGCAGCATGC  
CTTTATGGCCGGGATTTCGTCACGTCATACGCTTAGGATGTTGACATAATGGCTTTAAACGAC

### RNA polymerase II largest subunit (RPB1) gene

CCATATTGAACTGGCGCGGCCATCTTTCATCCCGGATTTCATGAAGACGGTCAAGAAAATCCTCGAGA  
CCGTGTGCACAAACTGCGGCAAGCTCAAGGTCGACAACCCGCGATCGCAGCTTGTCTCGACGCTGAAC  
CGGCTGCAGCCAAAGTACCGGCTCAAGTATGTGCACGAGGCCGCCAAGGGGGTTCATGGTGTGCGAAG  
AGGATGAAGGACCGGACGAGCAGGAAACTTGCCGCCACCGGGCCACGGAGGCTGCGGTGCATCGTC  
AGCCGCTCATCGAAGAGAGGGCACCAAGATGTTCCCGGTGTACAAGAAGCAGGAAGAGGACGCCG  
ACGCCAAGAGCCGGAAGGATAACGCCCCGAGCGTCCGCCGACAGCGCAACCTTTCGGCCAGGAAT  
GCCACAACATTCTCAAGAAAATGTCGGCGGGCGATATGGAAGTGTCTCGGTCTTTCGGAAAGAGTTTGGC  
AGGCCGGATTGGATGGTGTCTACCGTGTCCCGTTCGCGCCGCGCCGTCAGGCCGTCGTCGTTTCC  
CCGGGTAAGCCAGCGCACAAAGTACTTGACGTACAAGTTGGCGGAAATCATCAAGGCCAACCGC  
AGTTTGCAAAAGGCCGAGCAGGAGGGCAGTCCGGCGTACATTATCAATCAGTTTATCGAGTTGCTCCA  
AGTGAGTCGAGATTTTCACGCTCAAGCGCAGGGCGAATGAGCTGAACGAATCCCCTTTCAGTACCAT  
GTCGTCACC

### elongation factor (EF) 1-alpha gene

AGGCCGACTGTGCCATCCTCATCATCGCCTCCGGTATCGGAGAGTTCGAGGCTGGTATCTCCAAGGAC  
GGTCAGACCCGAGAGCAGCCCTTTTGGCCCTCACCTCGGTGTCCGACAGCTCATATTGCCATCAAC  
AAGATGGACACCTGCAAGGTTAGTTCGACGGTCCCTGGTCTCTGTACGAATCTTGTGACCCCTTTTACA  
GTGGTCCGAAGACCGATACAACGAAATCGTCAAGGAGGCTTCCGGTTTCATCAAGAAGGTCGGATAC  
AACCCCAAGACCGTTCCCTTCGTCCCTATCCTCCGGATGGCAGCAGGACAAACATGTTGGAGGAGTCCAC  
CAACATGCCCTGGTACAAGGGATGGCACAAGGAGTCCAAGGCCGGTGTGTCAAGGGAAAGACCTTG  
CTCGAGGCCATCGACGCCATCGAGCCCTACCCGACCTTCCGACAAGCCCTTTCGATTGCCCTCCAG  
GATGTCTACAAGATCGGTGGTATCGGTACGGTCCCGTCCGGTTCGAGTCGAGACCGGTGTCATCAAGGC  
TGGTATGGTCGTACCTTCGCCCTGCCAACGTCACCACCGAAGTCAAGTCCGTCGAAATGCACCACG  
AACAGCTCGGTGAGGGTGTCCCGGTGACAACGTCGGTTCACAGTCAAGAACGTTTCCGTCGAAGGAC  
ATCCGACGAGGAAACGTCGTCTCCGACTCGAAGAACGACCCCGCTATGGAGTCTGCTTCTTCAACGC  
TCAGGTCAATTGTCTTGAACCACCCGGTCCAGTCCGGTCCCGGCTACTCCCGGTTTGGACTGCCACAC  
CGCTCACATTTGCTGCAAGTTTCGCTGAGCTCGTTGAGAAGATCGACCGACGACCCGGTAAGGTCATGG  
AGGCCGCCCAAGTTCGTCAAGTCCGGTGA

## References

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

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

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