



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™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
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  
ATCATATCCATAACACCTGTGCACTTGTGGATGGCTTAGTGAAGACCGCAAGGTTGGAACATCCATC  
TACTTTACATAACAATTTAGTAACAAATGTAGTCTTATTATAACATAATAAACTTTCAACAACGGATC  
TCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTG  
AATCATCGAATCTTTGAACGCACCTTGCCTCCCTGGTATTCCGGGGAGCATGCCTGTTTGGTGTGCATG  
AAAACCTCAACCTTAGATTGGTTAACACCTTTCTTTGGCTTGGATTGGACGTTTGGCGATGATAAGT  
GGCTCGTCTAAAAGTAATAGCTGGATCTGTCTCGCAGCATGGTTTACTTTGGCGTAATAAGTATTTCCG  
CTAAGGACATCTTCGGATGGCCGCGTTGCAAGACTAAAGACCGCTTTCTAATCCATTGATCTTCGGATT  
AATATTCTTGACATCTGGCTCAAATCAGGTAGGACTACCCGCTGAACTTAAGCATATCAATAA

D1D2 region of the 28S ribosomal RNA gene

ATATCAATAAGCGGAGGAAAAGAACTAACAAGGATCCCTAGTAACGGCGAGTGAAGCGGGAAG  
AGCTCAAATTTGAAATCTAGTAGCCTTCGGCTGCTCGAGTTGTAATCTAGAGAAGTGTTCCTCGTGCCG  
GCCATGTACAAGTCCCTTGAACAGGGCGTCATAGAGGGTGAAGTCCCGTCTTGACATGGACCCC  
CGGTGCTCTGTGATACACTTCAACGAGTCGAGTTGTTGGGAATGCAGCTCAAATGGGTGGTGAATT  
CCATCTAAAGCTAAAATATTGGCGAGAGACCGATAGCGAACAAGTACCCTGAGGGAAAAGATGAAAAG  
CACTTTGAAAAGAGAGTTAAACAGTACGTGAAATTGTTGAAAGGAAAACGATTGAAGTCACTCATGC  
TCTTTGGTATTATATCATTGAGTGGGGTCAACATCAGTTTTGATCGATGGATAAAGGCACTAGGAAGG



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TAGCACTCTCGGGTGAACCTTAGCCTAGCGTCATATACATTGATTGGGACTGAGGAACGCAGCATGC  
CTTTATGGCCGGGATTTCGTCACGTCATGCTTAGGATGTTGACATAATGGCTTTAAACGAC

RNA polymerase II largest subunit (RPB1) gene

CCATATTGAACTGGCGCGGCCATCTTTCATCCCGATTTCATGAAGACGGTCAAGAAAATCCTCGAGA  
CCGTGTGCACAAACTGCGGCAAGCTCAAGGTCGACAACCCGCGATCGCAGCTTGTCTCGACGCTGAAC  
CGGCTGCAGCCAAAGTACCGGCTCAAGTATGTGCACGAGGCCGCCAAGGGGGTTCATGGTGTGCGAAG  
AGGATGAAGGACCGGACGAGCAGGAAACTTGCCGCCACCGGGCCACGGAGGCTGCGGTGCATCGTC  
AGCCGCTCATCGAAGAGAGGGCACCAAGATGTTCCCGTGTACAAGAAGCAGGAAGAGGACGCCG  
ACGCCAAGAGCCGGAAGGATAACGCCCCGAGCGTCCGCCGACAGCGCAACCTTTCGGCCAGGAAT  
GCCACAACATTCTCAAGAAAATGTCGGCGGGCGATATGGAAGTGTCTCGGTCTTTCGGAAAGAGTTTGGC  
AGGCCGGATTGGATGGTGTCTACCGTGTCCCGTTCGCCCGCGCCCGTCCAGCCGTCGCGTTCGTTCC  
CCGGTAAAGCCAGCGCACAAAGTACTTGACGTACAAGTTGGCGGAAATCATCAAGGCCAACCGC  
AGTTTGCAAAAGGCCGAGCAGGAGGGCAGTCCGGCTACATTATCAATCAGTTTATCGAGTTGCTCCA  
AGTGAGTCGAGATTTTCACGCTCAAGCGCAGGGCGAATGAGCTGAACGAATCCCCTTTCAGTACCAT  
GTCGTACC

elongation factor (EF) 1-alpha gene

AGGCCGACTGTGCCATCCTATCATCGCCTCCGGTATCGGAGAGTTCGAGGCTGGTATCTCCAAGGAC  
GGTCAGACCCGAGAGCAGCCCTTTTGGCCTTACCCTCGGTGTCCGACAGCTCATATTGCCATCAAC  
AAGATGGACACCTGCAAGGTTAGTTCGACGGTCTGGTCTCTGTACGAATCTTGTGACCCCTTTTACA  
GTGGTCCGAAGACCGATACAACGAAATCGTCAAGGAGGCTTCCGGTTTCATCAAGAAGGTCGGATAC  
AACCCCAAGACCGTTCCCTTTCGTCGCCATCTCCGGATGGCAGCAGGACAAACATGTTGGAGGAGTCCAC  
CAACATGCCCTGGTACAAGGGATGGCACAAGGAGTCCAAGGCCGGTGTGTCAAGGGAAAGACCTTG  
CTCGAGGCCATCGACGCCATCGAGCCCTACCCGACCTTCCGACAAGCCCTTTCGATTGCCCTCCAG  
GATGTCTACAAGATCGGTGGTATCGGTACGGTCCCGTCCGGTTCGAGTCCGAGACCGGTGTCAAGGC  
TGGTATGGTGTGACCTTCCGCCCTGCCAACGTACCACCGAAGTCAAGTCCGTCGAAATGCACCACG  
AACGCTCGGTGAGGGTGTCCCGGTGACAACGTCCGGTTTCAACGTCAAGAACGTTTCCGTCGAAGGAC  
ATCCGACGAGGAAACGTCTGCTCCGACTCGAAGAACGACCCCGCTATGGAGTCTGCTTCTTCAACGC  
TCAGGTCAATTGTCTTGAACACCCGGTCCAGTCCGGTCCCGGCTACTCCCGGTTTGGACTGCCACAC  
CGCTCACATTGCTTCAAGTTTCGCTGAGCTCGTTGAGAAGATCGACCGACGACCCGGTAAGGTCATGG  
AGGCCGCCCAAGTTCGTCGAAGTCCGGTGA

## 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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## Disclaimers

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this



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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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