



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  
ATCATATCCATAACACCTGTGCACCTTGTGGATGGCTTAGTGAAGACCGCAAGGTTGGAACATCCATC  
TACTTTACATAACAATTTAGTAACAAATGTAGTCTTATTATAACATAATAAACTTTCAACAACGGATC  
TCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTG  
AATCATCGAATCTTTGAACGCACCTTGCCTCCCTGGTATTCCGGGGAGCATGCCTGTTTGGTGTGCATG  
AAAACCTCAACCTTAGATTGGTTAACACCTTTCTTGGCTTGGATTGGACGTTTGGCGATGATAAGT  
GGCTCGTCTAAAAGTAATAGCTGGATCTGTCTCGCAGCATGGTTTACTTGGCGTAATAAGTATTTCCG  
CTAAGGACATCTTCGGATGGCCGCGTTGCAAGACTAAAGACCGCTTCTAATCCATTGATCTTCGGATT  
AATATTCTTGACATCTGGCTCAAATCAGGTAGGACTACCCGCTGAACTTAAGCATATCAATAA

D1D2 region of the 28S ribosomal RNA gene

ATATCAATAAGCGGAGGAAAAGAACTAACAAGGATCCCTAGTAACGGCGAGTGAAGCGGGAAG  
AGCTCAAATTTGAAATCTAGTAGCCTTCGGCTGCTCGAGTTGTAATCTAGAGAAGTGTTCCTGTCG  
GCCATGTACAAGTCCCTTGAACAGGGCGTCATAGAGGGTGAAGTCCCGTCTTGACATGGACCCC  
CGGTGCTCTGTGATACACTTCAACGAGTTCGAGTTGTTGGGAATGCAGCTCAAATGGGTGGTGAATT  
CCATCTAAAGCTAAAATATTGGCGAGAGACCGATAGCGAACAAGTACCCTGAGGGAAAAGATGAAAAG  
CACTTTGAAAAGAGAGTTAAACAGTACGTGAAATTGTTGAAAGGAAAACGATTGAAGTCACTCATGC  
TCTTTGGTATTATATCATTGAGTGGGGTCAACATCAGTTTTGATCGATGGATAAAGGCACTAGGAAGG



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TAGCACTCTCGGGTGAACCTTAGCCTAGCGTCATATACATTGATTGGGACTGAGGAACGCAGCATGC  
CTTTATGGCCGGGATTTCGTCACGTCATGCTTAGGATGTTGACATAATGGCTTTAAACGAC

RNA polymerase II largest subunit (RPB1) gene

CCATATTGAACTGGCGCGGCCATCTTTCATCCCGATTTCATGAAGACGGTCAAGAAAATCCTCGAGA  
CCGTGTGCACAAACTGCGGCAAGCTCAAGGTCGACAACCCGCGATCGCAGCTTGTCTCGACGCTGAAC  
CGGCTGCAGCCAAAGTACCGGCTCAAGTATGTGCACGAGGCCGCCAAGGGGGTTCATGGTGTGCGAAG  
AGGATGAAGGACCGGACGAGCAGGAAACTTGCCGCCACCGGGCCACGGAGGCTGCGGTGCATCGTC  
AGCCGCTCATCGAAGAGAGGGCACCAAGATGTTCCCGGTGTACAAGAAGCAGGAAGAGGACGCCG  
ACGCCAAGAGCCGGAAGGATAACGCCCCGAGCGTCCGCCGACAGCGCAACCTTTCGGCCAGGAAT  
GCCACAACATTCTCAAGAAAATGTCGGCGGGCGATATGGAAGTGTCTCGGTCTTTCGGAAAGAGTTTGGC  
AGGCCGGATTGGATGGTGTCTACCGTGTCCCGTTCGCGCCGCGCCGTCAGGCCGTCGTCGTTTCC  
CCGGGTAAAGCCAGCGCACAAAGTACTTGACGTACAAGTTGGCGGAAATCATCAAGGCCAACCGC  
AGTTTGCAAAAGGCCGAGCAGGAGGGCAGTCCGGCGTACATTATCAATCAGTTTATCGAGTTGCTCCA  
AGTGAGTCGAGATTTTCACGCTCAAGCGCAGGGCGAATGAGCTGAACGAATCCCCTTTCAGTACCAT  
GTCGTCACC

elongation factor (EF) 1-alpha gene

AGGCCGACTGTGCCATCCTCATCATCGCCTCCGGTATCGGAGAGTTCGAGGCTGGTATCTCCAAGGAC  
GGTCAGACCCGAGAGCAGCCCTTTTGGCCTTACCCCTCGGTGTCCGACAGCTCATATTGCCATCAAC  
AAGATGGACACCTGCAAGGTTAGTTCGACGGTCTGGTCTCTGTACGAATCTTGTGACCCCTTTTACA  
GTGGTCCGAAGACCGATACAACGAAATCGTCAAGGAGGCTTCCGGTTTCATCAAGAAGGTCGGATAC  
AACCCCAAGACCGTTCCCTTTCGTCGCCATCTCCGGATGGCAGCAGGACAAACATGTTGGAGGAGTCCAC  
CAACATGCCCTGGTACAAGGGATGGCACAAGGAGTCCAAGGCCGGTGTGTCAGGGAAAGACCTTG  
CTCGAGGCCATCGACGCCATCGAGCCCTACCCGACCTTCCGACAAGCCCTTTCGATTGCCCTCCAG  
GATGTCTACAAGATCGGTGGTATCGGTACGGTCCCGTCCGGTTCGAGTCGAGACCGGTGTCATCAAGGC  
TGGTATGGTCGTACCTTCCGCCCTGCCAACGTCACCACCGAAGTCAAGTCCGTCGAAATGCACCACG  
AACAGCTCGGTGAGGGTGTCCCGGTGACAACGTCGGTTCACAGTCAAGAACGTTTCCGTCGAAGGAC  
ATCCGACGAGGAAACGTCGTCTCCGACTCGAAGAACGACCCCGCTATGGAGTCTGCTTCTTCAACGC  
TCAGGTCAATTGTCTTGAACCACCGGGTCAGATCGGTGCCGGTACTCCCGGTTTGGACTGCCACAC  
CGCTCACATTTGCCTGCAAGTTTCGCTGAGCTCGTTGAGAAGATCGACCGACGACCCGGTAAGGTCATGG  
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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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

This product is intended for laboratory research purposes only. It is not intended for use in humans. While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

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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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