



Product Sheet

# *Cryptococcus albidus* var. *albidus* (ATCC® 10666™)

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: *Cryptococcus albidus* var. *albidus* (ATCC® 10666™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
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Fax: 703.365.2750  
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Or contact your local distributor

## Description

**Strain Designation:** NRRL Y-1400 [CBS 142, CCRC 21672, CCY 17-14-1, IFO 0378, IFO 0610, IFO 0764, JCM 2334, MUCL 30400, NCYC 445, VKM Y-2223]

**Deposited Name:** *Cryptococcus albidus* (Saito) Skinner var. *albidus*

**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.

ATCC® Medium 200: YM agar or YM broth

ATCC® Medium 28: Emmons' modification of Sabouraud's agar

ATCC® Medium 336: Potato dextrose agar (PDA)

## Growth Conditions

**Temperature:** 24°C to 26°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:** After 5-6 days on YM medium, cells are globose to ovoidal, (3.0-6.1) x (3.5-6.2) µm, and single, in pairs and often in small clusters or short chains. Elongate cells may be present. Usually a small amount of sediment is formed.

## 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 26S ribosomal RNA gene, partial sequence  
GGTTTCCGTAGGTGAACCTGCGGAAGGATCATTAAATGATTGACCGTCTGTGCGAGCTTGCTCACAGGCAC  
ATCATATCCATAACACCTGTGCACTTGTGGATGGCTTAGTGAAGACCGCAAGGTTGAATCTATCCATC  
TACTTTACATAACAATTCTGTAACAAATGTAGTCTTATTATAACATAATAAAACTTTCAACAACGGATCT  
CTTGGCTCTCGCATCGATGAAGAACGCGAGCAAATGCGATAAGTAATGTGAATTGCAGAAATTCAGTGA  
ATCATCGAATCTTTGAACGCACCTTGCCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTATGGA  
AAACCCCAACCTAGATTGGTAAAACCTCTCTTTGGTTTGGATTTGGACGTTTGGCGATGATAAGTCCG  
GCTCGTCTTAAAAGTAATAGCTGGATCTGTCTCGCGACATGGTTGACTTGGCGTAATAAGTATTTCCGT  
AAGGACATCTTCGGATGGCCGCGTTGCAGGACTAAAGACCGCTTTCTAATCCAATTGATCTTCGGATTAA  
TACTCTTGACATCTGGCCTCAAATCAGGTAGGACTACCCGCTGAACCTAAGCATATCAATAA

D1D2 region of the 26S ribosomal RNA gene  
ATATCAATAAGCGGAGGAAAAGAACTAACAAGGATCCCTAGTAACGGCGAGTGAAGCGGGAAG  
AGCTCAAATTTGAAATCTGGTAGCCTTCGGTTGCCGAGTTGTAATCTAGAGAAGTGTTCCTGCGG  
GCCCATGTACAAGTCCCTTGAACAGGGCGTCATAGAGGTGAGAATCCCGTCTTGACATGGACCCC



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CGGTGCTTTGTGATACACTTTCACGAGTCGAGTTGTTGGGAATGCAGCTCAAAATGGGTGGTGAATT  
CCATCTAAAGCTAAATATTGGCGAGAGACCGATAGCGAACAGTACCGTGAGGGAAAGATGAAAAG  
CACTTTGGAAGAGAGTAAACAGTACGTGAAATTGTTGAAAGGGAAACGATTGAAGTCAGTCATGC  
TCTTGGGACTTACCTCCCTTGAGTGGGGTCAACATCAGTTTTGATCGATGGATAAAGGCACGGGGGAG  
GTAGCACTCTCGGGTGAACCTTAGCCTCGCGTCATATACATTGATTGGGACTGAGGAACGCAGCATG  
CCTTAGGCCGGGATTGCTCCACGTACATGCTTAGGATGTTGACATAATGGCTTTAAACGAC



Air, Japan



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



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