



Product Sheet

# *Candida guilliermondii* (ATCC® 90877™)

## Please read this FIRST



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: *Candida guilliermondii* (ATCC® 90877™)

## Description

**Strain Designation:** B77

**Deposited Name:** *Candida guilliermondii* (Castellani) Langeron et Guerra, anamorph

**Product Description:** An ampoule containing viable cells (e.g. yeast cells, spores) 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 1245: YEPD

## 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 for (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.
6. Incubate the inoculum/strain at the temperature and 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 3 days on YM medium at 25°C, colony is white to cream-colored, smooth, butyrous. Cells globose or ovoidal, single or in pairs, pseudohyphae not observed.

## Notes

*In vitro* susceptibility (MIC): 0.06 mg/L itraconazole; 2 mg/L fluconazole; 0.125 mg/L amphotericin B; the species is also known as *Meyerozyma* (= *Pichia*) *guilliermondii*.

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  
GGATCATTACAGTATTCCTTTGCCAGCGCTTAAGTGGCGGGCGAAAAACCTTACACACAGTGTCTTTTATG  
ATACAGAACTCTTGCTTTGGTTTGGCCTAGAGATAGGTTGGGCCAGAGGTTTAAACAAAACACAATTTA  
ATTATTTTACAGTTAGTCAAATTTGAATTAATCTTCAAACCTTCAACAACGGATCTCTGGTTCTCGC  
ATCGATGAAGAACGCAGCGAAATGCGATAAGTAATATGAATTGCAGATTTTCGTGAATCATCGAATCT  
TTGAACGCACATTGCGCCCTCTGGTATTCCAGAGGGCATGCCTGTTTGAGCGTCATTTCTCTCAAACC  
CCCGGGTTTGGTATTGAGTGATACTCTTAGTCGACTAGGCGTTTTGCTTGAAGGATTTGGCATGGGTA  
GTACTAGATAGTGCTGCGACCTCTCAATGTATTAGGTTTATCCAACCTGTTGAATGGTGTGGCGGGAT  
ATTTCTGGTATTGTTGGCCCGCCTTACAACAACCAACAAGTTTGACCTCAAATCAGGTAGGAATACC  
CGCTGAACTTAA

D1D2 region of the 28S ribosomal RNA gene  
CATATCAATAAGCGGAGGAAAAGAAACCAACAGGGATTGCCTTAGTAGCGGGCGAGTGAAGCGGCAA  
AAGCTCAAATTTGAAATCTGGCGCCTTCGGTGTCCGAGTTGTAATTTGAAGATTGTAACCTTGGGGTTG  
GCTCTTGTCTATGTTCTTGGAAACAGGACGTACAGAGGGTGAGAAATCCCGTCCGATGAGATGCCCAA  
TTCTATGTAAGGTGCTTTTCGAAGAGTCGAGTTGTTGGGAATGCAGCTCTAAGTGGGTGGTAAATTCCA  
TCTAAAGCTAAATATTGGCGAGAGACCGATAGCGAACAAGTACAGTGATGGAAGATGAAAAGAAC  
TTTGAAGAGAGAGTGAAGGATACGTGAAATGTTGAAAGGGAAGGGTTTGGATCAGACTCGATAT

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TTTGTGAGCCTTGCCTTCGTGGCGGGGTGACCCGACGCTTATCGGGCCAGCATCGGTTTGGGCGGTAGG  
ATAATGGCGTAGGAATGTGACTTTACTTCGGTGAAGTGTATAGCCTGCGTTGATGCTGCCTGCCTAGA  
CCGAGGACTGCGATTTTATCAAGGATGCTGGCATAATGATCCCAAACCGC

## Isolation

human blood, Essen, Germany

## References

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

## Biosafety Level: 1

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.

## ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. 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 strain. 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.

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