



Product Sheet

# *Candida parapsilosis* (ATCC® MYA-4646™)

Please read this **FIRST**



## 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 parapsilosis* (ATCC® MYA-4646™)

## Description

**Strain Designation:** CDC 317

**Product Description:** An ampoule containing viable cells (may include spores and mycelium) 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 336: Potato dextrose agar (PDA)

## Growth Conditions

**Temperature:** 20°C to 25°C

**Atmosphere:** Typical aerobic

## Recommended Procedure

**Frozen ampoules** packed in dry ice should either be thawed immediately or stored in liquid nitrogen. If liquid nitrogen storage facilities are not available, frozen ampoules may be stored at or below -70°C for approximately one week. **Do not under any circumstance store frozen ampoules at refrigerator freezer temperatures (generally -20°C).** Storage of frozen material at this temperature will result in the death of the culture.

1. To thaw a frozen ampoule, place in a **25-30°C** water bath, until just thawed (**approximately 5 minutes**). Immerse the ampoule just sufficient to cover the frozen material. Do not agitate the ampoule.
2. Immediately after thawing, wipe down ampoule with 70% ethanol and aseptically transfer 10 µL (or any amount desired up to all) of the content onto a plate or broth with medium recommended.
3. Incubate the inoculum/strain at the temperature and conditions recommended.
4. 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 on YM agar at 25°C after 3 days cream-colored, flat to umbonate, semi-dull to glistening smooth. Yeast-like cells globose to oval single or budding.

## Notes

Genome sequencing strain (Wellcome Trust Sanger Institute, UK).

Additional, updated information on this product may be available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

## DNA Sequence

ITS DNA sequence of MYA-4646

```
GAACCTGCGGAAGGATCATTACAGAATGAAAAGTGCTTAACTGCATTTTTCTTACACATGTGTTTTCT  
TTTTTGAAAACTTTGCTTTGGTAGCCCTTCTATATGGGGCTGCCAGAGATTAACCAACCAATTTT  
ATTTAATGTCAACCGATTATTAATAGTCAAACTTTCAACAACGGATCTCTGGTCTCGCATCGATGA  
AGAACGCAGCGAAATGCGATAAGTAATGAATTGCAGATATTCGTGAATCATCGAATCTTTGAACGC  
ACATTGCGCCCTTTGGTATTCCAAAGGGCATGCCTGTTTGAGCGTCATTTCTCCCTCAAACCCCTCGGGT  
TGGTGTTGAGCGATACGCTGGGTTTGCTTGAAAGAAAGGCGGAGTATAAACTAATGGATAGGTTTTT  
CCACTCATTGGTACAACTCCAAACTCTTCCAAATTCGACCTCAAATCAGGTAGGACTACCCGCTGA  
ACTTAAGCATATCAATA
```

D1D2 DNA sequence of MYA-4646

```
GGGATTGCCCTTAGTAGCGGCGAGTGAAGCGGCAAAGCTCAAATTTGAAATCTGGCACTTTTCAGTGTC  
CGAGTTGTAATTTGAAGAAGGTATCTTTGGGTCTGGCTCTTGCTATGTTTCTTGAACAGAACGTCACA  
GAGGGTGAGAATCCCGTGCGATGAGATGTCACACCTATGTAAGTTCCTTGAAGAGTCCGAGTTGT  
TTGGGAATGCAGCTTAAGTGGTGGTAAATCCATCTAAAGTAAATTTGGCGAGAGACCGATAGC  
GAACAAGTACAGTGATGGAAGATGAAAAGAACTTTGAAAAGAGAGTGA AAAAGTACGTGAAATTT  
TTGAAAGGGAAGGGCTTGAGATCAGACTTGGTATTTGTATGTTACTCTCTCGGGGGTGGCCTACAG  
TTTACCGGGCCAGCATCAGTTTGAGCGGTAGGATAAGTGCAAAGAAATGTGGCACTGCTTCGGTAGTG
```

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TGTTATAGTCTTTGTCGATACTGCCAGCTTAGACTGAGGACTGCGGCTTCGGCCTAGGATGTTG



health-care worker's hand



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.

## 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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