



Product Sheet

# Zygosaccharomyces parabailii (ATCC® MYA- 4549-MINI-PACK™)

Please read this **FIRST**

Storage Temp.  
**-70°C or colder,  
store upright**

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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: *Zygosaccharomyces parabailii* (ATCC® MYA-4549-MINI-PACK™)

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:** VITEK 301705 [MUCL 51627]

**Deposited Name:** *Zygosaccharomyces bailii* (Lindner) Guilliermond

**Product Description:** ATCC® MYA-4549-MINI-PACK™ consists of 6 ready-to-use vials of ATCC® MYA-4549™ frozen in 200 µL of glycerol stock, eliminating the need to rehydrate and culture the strain prior to use. Each vial is provided with a 2-D barcode for easy storage and tracking, as well as peel-off labels for fast and reliable recordkeeping.

## 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 1245: YEPD

## Growth Conditions

**Temperature:** 24°C to 26°C

**Atmosphere:** Typical aerobic

## Recommended Procedure

Frozen mini-cryovials packed in dry ice should either be thawed immediately for use or stored at or below -70°C until the expiration date printed on the label. Storage at -20°C may affect the growth and viability of the culture.

1. To thaw a frozen mini-cryovial, place the vial upright in a **25°C to 30°C** water bath, until just thawed (**approximately 2-3 minutes**). Immerse the mini-cryovial just sufficient to cover the frozen material. Do not agitate the mini-cryovial.
2. Immediately after thawing, wipe down the mini-cryovial with 70% ethanol and aseptically transfer at least 50 µL (or 2-3 agar cubes) of the content onto a plate or broth with the recommended medium.
3. Discard the empty vial. Do not refreeze any unused portion as it will result in a loss of viability.
4. Incubate the inoculum/strain at the temperature and conditions recommended. Inspect for growth of the inoculum/strain regularly. Viability is typically noticeable after 1-2 days of incubation. However, the time necessary for significant growth will vary from strain to strain.

## Notes

QC strain for VITEK® 2 YST ID card.

DNA sequences in D1D2 of LSU rDNA and ITS region showed genetic variations between type strain of the species and ATCC® MYA-4549™.

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

## DNA Sequence

LSU rDNA of MYA-4549

```
ATATCAATAAGCGGAGGAAAAGAAACCAACCGGGATTGCCTTAGTAAACGGCGAGTGAAGCGGCAAA
AGCTCAAATTTGAAATCTGGTACCTTCGGTGCCCGAGTTGTAATTTGTAGAAGGCGACTCTGGGGCTGG
TCCTTGTCTATGTTCCCTTGGAAACAGGACGTCATGGAGGGTGAAAATCCCGTATGGCGAGGATCCCAGTT
CTTTGTAGAGTGCCTTCGAAGAGTCGAGTTGTTTGGGAATGCAGCTCTAAGTGGGTGGTAAATCCATC
TAAAGCTAAATATTGGCGAGAGACCGATAGCGAACAAGTACAGTGATGGAAAGATGAAAAGAAGCTT
TGAAAAGAGAGTGAAAAGTACGTGAAATTTGTTGAAAGGGAAGGGCATTGATCAGACATGGTGTTT
TGCGCCCTCGCCTCTCGTGGTGGGGGAATCTCGCAGCTCACTGGGCCAGCATCAGTTTTGGCGGCAG
GATAAATCCCTGGGAATGTAGCTCTACCACCTTCGTGGCGGACGAAGTATAGTCCAGGGGAATACTGC
CAGCTGGGACTGAGGAATGCGACTTTTTTGTAGTCAAGGATGCTGGCATAATGGTTATATGCCCG
```

ITS of MYA-4549


```
TTTCCGTAGGTGAACCTGCGGAAGGATCATTATAGAAAAATTTCTGATTGACGAGTCTGGAGCAGTTGT
GTTCTTTCTGTTTTTTAAGGCCCTGCGCTAATTGCGCGGTCTAGAGCGGAGGGAGTTAAGCATAGTTG
CTTTGGCTTTCAATTACACACAGTGGAGTTTCTACTTTTTTTATTCTTTCTTTGGGAGGATGGGTTCTGCC
GCTTCCAGAGGTAAACACAAACAATTTTTTTATTTTATTTTATTATTTATAATAATAATAATACAG
TCAAACCGAATACTAAAACAAAAAATTTCAAACACTTTCAAACACGATCTCTGGTTCTCGCATCGA
TGAAGAACGCACGGAATGCGATACGTAATGTGAATTGCAGAATCCGTAATCATCGAATCTTTGAA
```



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```
CGCACATTGCGCCCTTGGTATTCCAGGGGGCATGCCTGTTGAGCGTCATTTCTCTCAAACATTGCT  
GTTTGGTAGTGAGTGATACTCTGTTTTATTATTTGGGTTAACTTGAAATTGCAAGCCTTTTGGGGACGCG  
TGTGGGTGAGTTTTAGGCGGAAACGCTTTGCTCTCCTCTTCTTAACCAATGTCGTATTAGGTTTTACC  
GACTCCGACAGACGGGACTAGGAGATTGGGTGAGTGATAGCAATATCGAGCTCTGCCTAATTTTTTTTT  
TGCGCGCTTTGGGCAACAATACTCTCAAAGTTTGACCTCAAATCAGGTAGGATTACCCGCTGAACCTA  
AGCATATCAATAAGC
```



### 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.

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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 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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