



Product Sheet

Zygosaccharomyces parabailii (ATCC® MYA- 4549™)

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

Description

Strain Designation: VITEK 301705 [MUCL 51627]

Deposited Name: *Zygosaccharomyces bailii* (Lindner) Guilliermond

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 1245: YEPD

Growth Conditions

Temperature: 24°C to 26°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°C to 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.

Notes

QC strain for VITEK2 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.

DNA Sequence

LSU rDNA of MYA-4549

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ATATCAATAAGCGGAGGAAAAGAAACCAACCGGGATTGCCTTAGTAAACGGCGAGTGAAGCGGCAAA
AGCTCAAATTTGAAATCTGGTACCTTCGGTGCCCGAGTTGTAATTTGTAGAAGGCGACTCTGGGGCTGG
TCCTTGCTATGTTCCTTGGAACAGGACGTCATGGAGGGTGAAAATCCCGTATGGCGAGGATCCCAGTT
CTTTGTAGAGTGCCTTCGAAGAGTCGAGTTGTTTGGGAATGCAGCTCTAAGTGGGTGGTAAATCCATC
TAAAGCTAAATATTGGCGAGAGACCGATAGCGAACAAGTACAGTGATGGAAAGATGAAAAGAAGCTT
TGAAAAGAGAGTGAAAAGTACGTGAAATGTTGAAAGGGAAGGGCATTGATCAGACATGGTGTTT
TGCGCCCTCGCCTCTCGTGGGTGGGGAATCTCGCAGCTCACTGGGCCAGCATCAGTTTTGGCGGCAG
GATAAATCCCTGGGAATGTAGCTCTACCACTTCGTGGCGGACGAACCTATAGTCCAGGGGAATACTGC
CAGCTGGGACTGAGGAATGCGACTTTTTTGTCAAGGATGCTGGCATAATGGTTATATGCCGC
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ITS of MYA-4549

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TTTCCGTAGGTGAACCTGCGGAAGGATCATTATAGAAAAATTTCTGATTGACGAGTCTGGAGCAGTTGT
GTTCTTTCTGTTTTTTTAAAGCCCTGCGCTAATTGCGCGGTCTAGAGCGGAGGGAGTTAAGCATAGTTG
CTTTGGCTTTCAATTACACACAGTGGAGTTTCTACTTTTTTTATTCTTTCTTTGGGAGGATGGGTTCTGCC
GCTTCCAGAGGTAAACACAAACAATTTTTTTATTTTATTTTATTTATTTATAATAATAATAATACAG
TCAAAAACGAATACTAAAACAAAAAATTTCAAACCTTCAACAACGGATCTCTGGTTCTCGCATCGA
TGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCGGTGAATCATCGAATCTTTGAA
CGCACATTGCGCCCTTGGTATTCCAGGGGGCATGCCTGTTTGGAGCGTCATTCTCTCAAACATTCGT
GTTTGGTAGTGAGTACTCTGTTTTATTATTGGGTTAACTTGAATTGCAAGCCTTTTGGGGACGCG
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TGTGGGTGAGTTTTAGGCGGAAACGTCTTGCTCTCTCTTTCTTAACCAATGTCGTATTAGGTTTTACC
GACTCCGACAGACGGGACTAGGAGATTGGGTGAGTGATAGCAATATCGAGCTCTGCCTAATTTTTTTTT
TGCGCGCCTTGGGCAAACAATACTCTCAAAGTTTGACCTCAAATCAGGTAGGATTACCCGCTGAACCTTA
AGCATATCAATAAGC



References

References and other information relating to this product are available online at 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

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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