



Product Sheet

# *Lachancea kluyveri* (ATCC® 58438™)

## 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: *Lachancea kluyveri* (ATCC® 58438™)

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)

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## Description

**Strain Designation:** CBS 3082 [CCRC 21498, DBVPG 6177, IFO 1685, JCM 7257, NCYC 543, NRRL Y-12651, UCD 51-242]

**Deposited Name:** *Saccharomyces kluyveri* Phaff et al., teleomorph

### 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

## Growth Conditions

**Temperature:** 24.0°C

## 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.

## Notes

Alkali-tolerant at pH 10.

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.

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GCGGAAGGATCATTAAAGATTTTTGATTGGAGCAGCCGGGGGAGTGCCAGCCAGCCTGCGCTTAATTG  
CGCGGCCGACGGTCTTTCTGTTAACGGTGTCTCTTTCTACACACACTGTGGAGTTTTTCTACTTTG  
CTACTTTTTCTTTGGCGCAAGCCCAGAGGATACAAAACACAAACAATTTTTTCATGTTTATTTAGTCAA  
GAAATTTTCATTTAAGAAAATAAAATATTCAAACCTTTCAACAACGGATCTCTTGGTTCTCGCATCGAT  
GAAGAACGCAGCGAAATGCGATACGTATTGTGAATTGCAGATTTTCGTGAATCATCGAATCTTTGAAC  
GCACATTGCGCCCTTTGGTATTCCAAAGGGCATGCCTGTTTGAGCGTCATTTCTCTCAAACCTTTGGG  
TTTGGTCGTGAGTGATACTCTTTCCAGGGTTAACTTGAAAATGCTGGCCATCTGGCTGCTGCTGGCTGAG  
GCTCTAGTCCAGTCTGCTGATACTCGACGTATTAGGTTTTACCAACTCGTTGTGGCATCGGTCGGGCGTT  
ATTACGACTCTAGCACGAAAAGTACAGACAGCCTGGCGAATAGTATTCAAAAAGTTTGACCTCAAATCA  
GGTAGGATTACCCGCTGAACTTAAGCATATC
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## Isolation

fruit fly, *Drosophila pinicola*, California

## References

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

## Biosafety Level: 1



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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

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### Disclaimers

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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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