ATCC

Product Sheet

Saccharomyces kudriavzevii (ATCC® MYA-4449™)

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: *Saccharomyces kudriavzevii* (ATCC® MYA-4449™)

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
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Or contact your local distributor

Description

Strain Designation: CBS 8840 (IFO 1802; NCYC 2889; MUCL 46198)
Product Description: An ampoule containing viable cells (yeast cells, spores, or agar cubes with 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°C

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

1. To thaw a frozen ampule, place in a **25-30°C** water bath, until just thawed (approximately **5 minutes**). Immerse the ampule just enough to cover the frozen material. Do not agitate the ampule.
2. Immediately after thawing, aseptically transfer the contents of the vial onto appropriate solid or liquid medium.
3. Incubate cultures at recommended temperature.

Colony and Cell Morphology: On YM medium at 25°C after 2 days, colonies creamy white to dingy white, smooth, slightly raised, margin entire. Cells globose to subglobose, smooth, guttulate, 5.0-9.0 X 4.0-7.5 µm. Pseudohyphae not observed.

DNA Sequence

ITS sequence
AAGGATCATTAAAGAAATTTAATAATTTTGAAAATGGATTTGTTTGTTTTGGCAAGAGCGTGAGAGCTT
TTACTGGGCAAGTAGACAAGAGATGGAGAGTCCGGCCGGGCCTGCGCTTAAGTGCGCGGTCTTGCTA
GGCTTGCAAGTTTCTTTCTTGCTATTCCAAACAGTGAGAGATTTCTCTGTTTTCGTTATAGGACAATCAA
AACCGTTTCAATACAACACACTGTGGAGTTTTTATATCTTTGCAACTTTTTCTTTGGGCTGTCGAGCAATC
GGAGCCCAGAGGTAACAAACACAAACAATTTTATTTATTCATTAAATTTTTGTCAAAAACAAGAATTTT
CGTAACTGGAAATTTTAAAAATATTAAAAACTTTCAACAACGGATCTCTTGGTTCTCGCATCGATGAAG
AACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCCGTGAATCATCGAATCTTTGAACGCAC
ATTGCGCCCCTTGGTATTCCAGGGGGCATGCCTGTTTGAGCGTCATTTCCTTCTCAAACATTCTGTTTGGT
AGTGAGTGATACTCTTTGGAGTTAACTTGAAATTGCTGGCCTTTTCATTGGATGTTTTTTTTCCAAAGAG
AGGTTTCTCTGCGTGCTTGAGGTATAATGCAAGTACGGTCGTTTTAGGTTTTACCAACTGCGGCTAATCT
TTTTTGTACTGAGCGTATTGGAACGTTATCGATAAGAAGAGAGCGTCTAGGCGAACAATATTCTTAAA
GTTTGACCTCAAATCAGGTAGGAGTACCCGCTGAACTTAA

D1D2 sequence
ATATCAATAAGCGGAGGAAAAGAAACCAACCGGGATTGCCTTAGTAACGGCGAGTGAAGCGGCAAA
AGCTCAAATTTGAAATCTGGTACCTTCGGTGCCCGAGTTGTAATTTGGAGAGGGCAACTTTGGAACCGT
TCCTTGTCTATGTTCCTTGGAACAGGACGTCATAGAGGGTGAGAATCCCGTGTGGCGAGGAGTGCGGT
TCTTTTGTAAAGTGCCTTCGAAGAGTCGAGTTGTTTGGGAATGCAGCTCTAAGTGGGTGGTAAATTCCA
TCTAAAGCTAAATATTGGCGAGAGACCGATAGCGAACAAGTACAGTGATGGAAAGATGAAAAGAAC
TTTGAAAAGAGAGTGAAAAAGTACGTGAAATTGTTGAAAGGGAAGGGCATTTGATCAGACATGGTGT
TTTGCGCCCTCTGCTCCTTGTGGGTGGGGGAATCTCGCATTTCACTGGGCCAGCATCAGTTTTGGTGGCA
GGATAAATCCGTAGGAATGTAACTTGCTTCGGGAAGTATTATAGCCTGCGGGAATACTGCCAGCTGGG
ACTGAGGACTGCGACGTAAGTCAAGGATGCTGGCATAATGGTTATATGCCG

Isolation

Decayed leaf, Japan

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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.

While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

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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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