



Product Sheet

# *Lachancea dasiensis* (ATCC® MYA-4748™)

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 dasiensis* (ATCC® MYA-4748™)

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  
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Or contact your local distributor

## Description

**Strain Designation:** SC5L02 [CBS 10888, BCRC 23139]

### Product Description:

An ampoule containing viable cells 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 1245: YEPD

### Growth Conditions

**Temperature:** 20.0-25.0°C

### 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 **2530 °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 microliter (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:** On MD-1245 at 25C for 3 days, colonies white to creamy white, butyrous, smooth, glistening, margin entire. On MD-200 at 25C for 12 days, cells globose to ovoidal, 5.25-7.5µm x 4.5-5.25µm.

## Notes

Type strain of the species.

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.  
CTGCGGAAGGATCATTAAAGAAATTTGTTAGAGCAGCCGGGAAAGCTTGGATGCCTGCGCTTGATTGC  
GCGGCTGACGATGCTTTCTGTTAACGACTGTCTTCTACACACACACTGTGGAGTAATTTATTACAAC  
GCTTCTTCTTTGGGCTTCGGCCCAAGGGTTACAAACACAAACAACCTTTGTATTTTAAACATTGTCAATT  
ATTTTTCATTTTAGAAAAAATAATTTAAAACCTTCAACAACGGATCTCTTGGTTCTCGCATCGATGAAGA  
ACGCAGCGAAATGCGATAAGTATTGTGAATTGCAGATATTCGTGAATCATCGAATCTTTGAACGCACA  
TTGCGCCCTTTGGTATTCAGGGGCGATGCCTGTTTGGAGCGTCATTTCTTCAAACCTTAGGGTTTGGT  
AGTGAGTGGTACTCTTTCTGGGTTAACTTGAAATGCTGGCCATCTGGCTGTTGCTGACTGAGACTTTAG  
TCCAGTCTGCTGATACTCTGCGTATTAGTTTTACCAACTCGTAGTGCCGTTAGTAGGCGTTACAAGA  
CTTTTGTCAAAAGTACGGACAGCCTGGCAAACAGTATTCACAAAGTTTGACCTCAAATCAG

26S large subunit ribosomal RNA gene, partial sequence.

TTAAGCATATCAATAAGCGGAGGAAAAGAAACCAACCGGGATTGCCTTAGTAACGGCGAGTGAAGC  
GGCAAAAGCTCAAATTTGAAATCTGGCACCTTCGGTGTCCGAGTTGTAATTTGAAGAAGCAACTTTGG  
GGCTAGTCCCTGTCTATGTTCCCTTGGAAACAGGACGTCATGGAGGGTGAGAATCCCGTTTGGCGAGGAG  
TCTAGTCCATGTAAGTGTCTTTCGACGAGTCCGAGTTGTTTGGGAATGCAGCTTAAGTGGGTGGTAA  
TTCCATCTAAAGCTAAATATTGGCGAGAGACCGATAGCGAACAAGTACAGTGTGGAAGATGAAAA  
GAACCTTTGAAAAGAGAGTGAAAAAGTACGTGAAATTTGTTGAAAGGGAAGGGCATTGATCAGACAT  
GGTGTTTTTCGACCTCGCTCCTTGTGGGTGGGGATCTCGCAGTTCAGTGGCCCAACATCAGTTTTGGCG  
GCAGGATAAATCTTTGGGAATGTGGCTTTTCTTCGGAGAAGCGTTATAGACCAGGGGAATACTGCCAG  
CCGGGACTGAGGACTGCGACTTTTGTCAAGGATGTTGGCATAATGGTTATATGCCGCCCGTCTT



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### Isolation

Leaf of *Angiopteris lygodifolia* in Dasi, Taoyuan, Taiwan.

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