



Product Sheet

Lagenidium albertoi (ATCC® MYA-4932™)

Please read this **FIRST**



Storage Temp.
Frozen: -80°C or colder
Freeze-Dried: 2°C to 8°C
Live Culture: See Propagation Section



Biosafety Level
2

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: *Lagenidium albertoi* (ATCC® MYA-4932™)

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
Email: Tech@atcc.org

Or contact your local distributor

Description

Strain Designation: MTLA-13

Product Description: An ampoule containing viable cells (e.g. yeast cells, spores, or agar cubes with mycelia) suspended in cryoprotectant.

Propagation

ATCC® Medium 28: Emmons' modification of Sabouraud's agar

ATCC® Medium 307: Cornmeal agar

ATCC® Medium 663: PYG medium

Growth Conditions

Temperature: 30°C to 37°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 at least 50 µL (or 2-3 agar cubes) 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 5-7 days of incubation. However, the time necessary for significant growth will vary from strain to strain.

Colony and Cell Morphology: After 8 days on Emmons' modification of Sabouraud's medium at 30°C, colony is white to cream-colored, flat, dense, furrowed. Hyphae hyaline, guttulate, sparsely septate. Sporulation not observed.

Notes

Grows quicker at 30°C than 37°C; incubate with high humidity.

This item is the type strain for this species.

Additional, updated information on this product may be available on the ATCC® web site at 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.
AAGGATCATTACCACACCTAAAAAAGCTTTTACAGTGAACCGTTCTATTAGTTTTGTGCTTCTGCTGTAAC
TGCTAATCTGCCTTTGGTGAATAGTGGATGCGGTGGAGGCTGAACGAAGTTGATTTGGCGAAAGC
TAGAGTCAGCTGATGAACTTTAAACCTTACCTAATACTGATTAATACTCTAGGAACGAAAGTTCTT
AGTTTTAAAGACAACAACCTTTCAGCAGTGGATGTCTAGGCTCGCACATCGATGAAGAACGCTGCGAAC
TGCGATACGTAATGCGAATTGCAGAAATTCAGTGAGTCATCGAAATTTTGAACGCATATTGCACTTCCGG
GTTATGCCTGGGAGTATGCCTGTATCAGTGTCCGTAATCAAAATTCCTTTCTTTTCTGTGTAGTCAG
GATTGGAAATGGCAGAATGTGAAGTGTCTCGAACGCTAACCTCTATGGTTAATGGTTGAGTCCTTTTAA
ATCGACACTGTCTCGCTATATAGTTACTGTGATTTGTTTCGCATGAACGCTGTGATCTACTGATCGCTTGC
ACGTGTTAGCAATCCAGTGAGAACATATAGGGTGAACCTCAATTTGCGGTATGTTTGGCTTCGCTTGA
CAATCTTGCTTATTGTGTGGATCCTGTTTTGCTGTGATATACTGATGTGTGTGGGCTTGAACGGTATTT
GCTGTTTAGTAATGTGTTACTGCTGGTAGCGCCTTTACGGTTTTAGTGAGAAGTCCAGTTGGGAAACC
AATATGGTGAGAAATCACTGTATCTCAATTTGGACCTGATATCAGGCAAGATTACCCGCTGAATTTAAG

D1D2 region of the 28S ribosomal RNA gene.
CATATAACTAAGCGGAGGAAAAGAAACTAACAAGGATTCCTTAGTAACGGCGAGTGAAGCGGGAT
GAGCTCAAGCTTAAATCTCCATACGAGTTTCGTGTGGCGAATTTAGTCTATAGAGGCGATGTCAGTG
CGGCTGTTCCGGATAAGTCCCTTGGAAAAGGGCAGCATCGAGGGTGATACTCCCGTTCTGCTCCTGAGC
AGCTAGCGCTACGACACGTTTTCTCGAGTCCGCTTGTGGGAATGCAGCGCAAAGTGGGTGGTAA
ATTCCATCTAAAGCTAAATATTGGTGCAGACCGATAGCGAACAGTACCGTGAGGGAAAGATGAAA



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AGAACTTTGAAAAGAGAGTTAAAGAGTACCTGAAACTGCTGAAAGGGAAGCTAATCGTATCCAGTGT
CTATAATCCGCAGCATATTTTCATTGGCGAGTTGATGCGTGCAAGTGTGTTTACAGTGGCTTGCCGCGTGT
GCATTGTTCTGCGTTAGCTTGTGCTGGTGCCTGTGTTGTGGTGGGACGTCAGAGTCAAGTTCGATGCTGCG
GGAAATGGTCAGTTGAGGAGGTAGGTAGGTGCTTGCCTTACTGTTATATCTCGATTGACTAGTAGTCCG
TGTTGGGACTGAGGTGCCTACAACGTGCTTAAAGTCTTGGGATGCTCGTTTGGCCTGTTGCTTGGAT
AGCTTGCTATGCTGGTATAAGGTTAGGCGATTGTTTGAAGTAACTTTTGGCCTTCGGGACTTTGAC
GAAATGGAGCGATTAGGC



human corneal tissue, Thailand



References and other information relating to this product are available online at www.atcc.org.



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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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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