ATCC

Product Sheet

Acytostelium leptosomum (ATCC® MYA-4296™)

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: *Acytostelium leptosomum* (ATCC® MYA-4296™)

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: M24B

Propagation

ATCC® Medium 919: Non-nutrient agar

Growth Conditions
Temperature: 20.0°C
Duration: 919 + ATCC 23437

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 minus 20°C).** Storage of frozen material at this temperature will result in the death of the culture.

1. Prepare media by streaking center of agar surface with a large X of Escherichia coli (ATCC 23437) and incubating at 25°-30°C one day before inoculating organism. Several replicates are suggested for optimum results.
2. To thaw frozen ampoule, place in a 37°C water bath, immerse ampoule to depth of one millimeter above the level of frozen material in the ampoule. Keep ampoule immersed until material is thawed but no more than 3 minutes. Do not agitate or vortex the ampoule.
3. Immediately after thawing, wipe down ampoule with 70% ethanol and aseptically transfer one loop full of contents onto center of X grown out with Escherichia coli.
4. Incubate the plates at the temperature recommended.
5. Allow culture to incubate for 2-5 days. Visually inspect by inverting plate under 10X objective. Look for swarms of amoebae feeding on bacteria and the initials of fruiting bodies and/or fruiting bodies rising from the surface of the agar.

Isolation

ground litter, El Eden, Quintana Roo, Mexico.

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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This product is sent with the condition that you are responsible for its safe storage, handling, and use.

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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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