Aphanothece sp.

43922™

Description

Xenic culture: mixed with *Halobacterium* sp.
Deposited As: *Aphanothece halophytica* Fremy
Type strain: No

Storage Conditions

Product format: Frozen
Storage conditions: -80°C or colder

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is

important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Growth Conditions

Medium:
ATCC Medium 1623: Halophilic cyanobacterium
Temperature: 26°C
Incubation: Under light intensity of 2,000-3,000 lux

Handling Procedures

1. Thaw culture in a 37°C waterbath and place the entire aliquot into a single tube of #1623 broth (5 to 6 mL).
2. Use several drops of the suspension to inoculate a second tube of broth and a #1623 slant.
3. Incubate tubes at 26°C under 2000-3000 LUX light. It is helpful to incubate test tubes in a slanted position to increase gas exchange in broth and to enhance exposure to light.

Notes

A 5% inoculum is recommended (i.e. 5 mL of culture to 100 mL fresh medium). Additional information on this culture is available on the ATCC® web site at www.atcc.org.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Aphanothece* sp. (ATCC 43922)

References

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

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