Synechococcus sp.

29404™

Description

Strain designation: PCC 73109 [BG-1]
Deposited As: *Synechococcus* sp.
Type strain: No

Storage Conditions

Product format: Test tube

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 1047: MN Marine medium (ATCC Medium 957) with 20 mcg/L of vitamin B12
Temperature: 26°C
Incubation: Under light intensity of 2,000-3,000 lux

Handling Procedures

Incubate test tube cultures under above conditions upon receipt. DO NOT STORE IN A REFRIGERATOR. It is helpful to incubate test tubes in a slanted position to increase gas exchange in broth and to enhance exposure to light. Transfer culture to fresh media within one week of arrival, as follows:

1. Withdraw 0.6 ml from the base of a broth culture where cells are concentrated, or harvest cells from a slant culture with 0.6 ml of #1047 broth.

2. Using this aliquot, inoculate one broth and one slant tube with 0.2 and 0.4 ml

respectively.

3. Incubate tubes at 26ºC under 2000-3000 LUX light.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Synechococcus* sp. (ATCC 29404)

References

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

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Revision

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