



# Calothrix sp.

29156™

Product Sheet

## Description

Cyanobacterium isolated from lake water. This product is a xenic culture that contains multiple bacterial co-cultures.

**Strain designation:** PCC 6303 [1018, CCAP 1410/3, SAUG 1410/3, UTEX 484]

**Deposited As:** *Calothrix* sp.

**Type strain:** No

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## Storage Conditions

**Product format:** Frozen

**Storage conditions:** -80°C or colder

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## 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.

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## 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.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Growth Conditions

**Medium:**

ATCC Medium 819: Blue-green nitrogen-fixing medium

**Temperature:** 26°C

**Atmosphere:** Aerobic

**Incubation:** Under light intensity of 2,000-3,000 lux

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## Handling Procedures

1. Open thawed vial according to enclosed instructions or visit [www.atcc.org](http://www.atcc.org) for instructions.
2. Aseptically transfer the entire contents to a 5-6 mL tube of #819 broth. Additional test tubes can be inoculated by transferring 0.5 mL of the primary broth tube to these secondary tubes.

3. Use several drops of the primary broth tube to inoculate a #819 agar slant.
  4. Incubate at 26°C for 7-14 days 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.
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## Notes

This is a xenic culture. In addition to *Calothrix* sp., ATCC 29156 also contains multiple bacterial co-cultures.

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Calothrix* sp. (ATCC 29156)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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