



# ***Chloracidobacterium thermophilum***

**BAA-2647™**

## **Description**

*Chloracidobacterium thermophilum* strain B was isolated in 2013 from a phototrophic mat from Octopus Springs in Yellowstone National Park. This thermophilic type strain is grown on *Chloracidobacterium thermophilum* midnight medium at 42°C.

**Strain designation:** B

**Deposited As:** *Chloracidobacterium thermophilum*

**Type strain:** Yes

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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

## ***Chloracidobacterium thermophilum***

BAA-2647

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**

**Temperature:** 42°C

**Atmosphere:** Aerobic

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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 T-25 culture flask containing 10 mL of #2871 broth. Incubate with loose cap at 42°C for 2 weeks with light.
3. Once growth is observed by turbidity and yellow coloration of the broth, additional test tubes can be inoculated by transferring 0.5 mL of the primary

culture to these secondary tubes.

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## Notes

Culture does not grow on agar.

Additional information on this culture is available on the ATCC® web site at [www.atcc.org](http://www.atcc.org).

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Chloracidobacterium thermophilum* (ATCC BAA-2647)

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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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BAA-2647

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### **Revision**

This information on this document was last updated on 2022-09-03

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