



Alicyclobacillus cupritolerans

BAA-2457™

Product Sheet

Description

Type strain

Strain designation: FP1

Deposited As: *Alicyclobacillus cupritolerans*

Type strain: Yes

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 2436: 9K medium for *Acidithiobacillus ferrooxidans*

Temperature: 30°C

Atmosphere: Aerobic

Handling Procedures

1. Let the vial thaw at room temperature. Transfer the entire contents of the vial to a single tube of #2436 broth. 0.5 mL of the primary broth can be used to inoculate secondary broth tubes.
2. Incubate the broth tube(s) in a static and slanted position.
3. Growth is evident within one to two weeks, when yellow-orange iron oxide deposits are observed.

4. Transfer the culture every week or two.
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Notes

Cells are rod-shaped, occurring singly and in pairs; motility was not detected. This culture does not grow on agar.

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: *Alicyclobacillus cupritolerans* (ATCC BAA-2457)

References

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

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