



Acidiphilium acidophilum **(Guay and Silver)** **Hiraishi et al.**

27807™

Description

Strain designation: [DSM 700]

Deposited As: *Thiobacillus acidophilus* (Guay and Silver) Harrison

Type strain: Yes

Storage Conditions

Product format: Freeze-dried

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 submerged 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 submerged 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 738: 9-K glucose medium

Temperature: 26°C

Handling Procedures

1. Open vial according to enclosed instructions.
2. Withdraw 0.5 ml of #738 broth from a single test tube (5 to 6 ml) and rehydrate the vial contents.
3. Aseptically transfer this aliquot back into the broth tube. Additional broth and slant tubes may be inoculated with 0.3 ml each from the initial broth tube. Agar plates may be inoculated using 0.1 ml of the initial broth per plate.

4. Incubate tubes and plates at 26°C.

Notes

The cells are Gram negative short rods that occur singly and in pairs, no motility detected. Forms pinpoint, circular, entire, smooth, convex, and translucent colonies on #738 plates. When the culture is initially rehydrated it may take 5 to 7 days to detect growth. Upon subsequent transfers growth should be detected within 3 to 5 days.

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: *Acidiphilium acidophilum* (Guay and Silver) Hiraishi et al. (ATCC 27807)

References

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

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