



Clostridium aminobutyricum **Hardman and Stadtman**

13726™

Description

Referred to as the type strain by monotypy

Deposited As: *Clostridium aminobutyricum* Hardman and Stadtman

Type strain: No

Storage Conditions

Product format: Frozen

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 1499: *Clostridium aminobutyricum* Medium

Temperature: 35-37°C

Atmosphere: Anaerobic

Handling Procedures

1. Thaw the frozen vial under anaerobic conditions.
2. Under anaerobic conditions, aseptically transfer the entire vial contents into a tube (5 to 6 mL) of the recommended broth. Additional tubes may be inoculated with 0.5 mL each from the suspension. 0.1 mL may also be inoculated onto a blood plate to check for purity.

3. Incubate tubes under an anaerobic atmosphere at 37°C. Incubate agar plate aerobically for aerobic contamination check.
 4. Within 48 hours, growth should be evident by turbidity in the broth. No growth should occur on agar plates incubated aerobically.
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Notes

ATCC recommends the following media:

- Anaerobe Systems PY with glucose broth (AS-822)
- Anaerobe Systems Brucella blood agar (AS-111)

Colonies on Brucella blood agar are pinpoint, irregular, entire, low convex and glistening. This organism is a strict anaerobe and will only grow in media made and stored under anaerobic conditions. If used, the pH of Medium #1499 should not be below 7.2 at the time of inoculation.

Always use freshly prepared pre-reduced media or pre-reduced media that has been previously prepared but stored under anaerobic conditions.

Resazurin in the media is a color indicator for anaerobic conditions.

Observance of pink color in medium before use or during incubation shows anaerobic conditions have not been met and oxidation has occurred.

Medium should be discarded.

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: *Clostridium aminobutyricum* Hardman and Stadtman (ATCC 13726)

References

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

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