Gluconacetobacter xylinus (Brown) Yamada et al.

23766™

Description

Strain designation: NCIB 613 [NCTC 613]
Deposited As: *Acetobacter xylinus* Yamada
Type strain: No

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 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 1: Mannitol Agar/Broth
Temperature: 26°C

Handling Procedures

1. Open vial according to the enclosed instructions.

2. Using a single tube of #1 broth (5 to 6 ml), withdraw approximately 0.5 to 1.0 ml with a Pasteur or 1.0 ml pipette. Rehydrate the entire pellet.

3. Aseptically transfer this aliquot back into the broth tube. Mix well.

4. Use several drops of the suspension to inoculate a #1 agar slant and/or plate. However, it is advisable to establish good growth in the primary broth tube before

making subsequent transfers.

5. Incubate all tubes and plate at 26ºC. The broth requires 48 to 72 hours to grow. Additional incubation may be required for growth on solid medium.

Notes

This strain produces a soft pellicle that settles to the bottom of the broth tube when disturbed. The broth remains clear. Holding the tube in front of a light source will make it easier to observe growth.

Colonies are entire, glistening, smooth, and opaque.

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: *Gluconacetobacter xylinus* (Brown) Yamada et al. (ATCC 23766)

References

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

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Revision

This information on this document was last updated on 2025-02-04

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