



Gluconacetobacter liquefaciens (Asai) **Yamada et al.**

23750™

Description

Strain designation: NCIB 9418 [Ac-8, IAM 1835, IFO 12258]

Deposited As: *Acetobacter aceti* (Pasteur) Beijerinck

Type strain: No

Patent depository: This material was deposited with the ATCC Patent Depository to fulfill U.S. or international patent requirements. This material may not have been produced or characterized by ATCC. As an International Depository Authority (IDA) for patent deposits, ATCC is required to complete viability testing only at time of initial deposit of patent material. Patent deposits are made available on behalf of the Depositor when the pertinent U.S. or international patent is issued, but material may not be used to infringe the patent claims.

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Storage Conditions

Product format: Freeze-dried

Storage conditions: 2°C to 8°C

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

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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

Atmosphere: Aerobic

Handling Procedures

1. Open vial according to 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 26°C. The broth requires 48 to 72 hours to grow. Additional incubation may be required for growth on solid medium.
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Notes

Colonies on #1 agar are entire, glistening, smooth, large, mucoid, and cream-colored. Broth has a soft pellicle, heavy turbidity, and a thick sediment. Broth turns a dark brown.

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 liquefaciens* (Asai) Yamada et al. (ATCC 23750)

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 2026-07-08

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