



# ***Gluconobacter cerinus*** **Yamada and Akita**

**49206™**

## **Description**

**Strain designation:** IFO 3276

**Deposited As:** *Gluconobacter asaii* Mason and Claus

**Type strain:** No

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## **Storage Conditions**

**Product format:** Freeze-dried

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## **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.

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## **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.

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### Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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### Growth Conditions

**Medium:**

ATCC Medium 1686: 5% sorbitol medium

**Temperature:** 26°C

### Handling Procedures

1. Open vial according to the enclosed instructions.
2. Using a single tube of #1686 broth (5 to 6 ml), withdraw approximately 0.5 to 1.0 ml with a Pasteur or 1.0 ml pipette. Rehydrate the pellet.
3. Aseptically transfer this aliquot back into the broth tube. Mix well.
4. Use several drops of the suspension to inoculate a #1686 agar slant and/or plate. However, it is advisable to establish good growth in the primary tube before making

subsequent transfers.

**5. Incubate the tubes and plate at 26°C. Growth occurs in 48 to 72 hours. Additional incubation may be required for growth on solid medium.**

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## **Notes**

This strain produces two genetically identical colony variants. One is described as cream-colored; opaque, with convex elevations; glistening, smooth surfaces; entire edges; and diameters of 0.25 mm. When observed from the underside, the colonies exhibit brightly highlighted edges that extend about one-fourth of the way across the colony diameter. The other variant forms more translucent colonies having diameters of 0.5 mm and lacking brightly highlighted edges when viewed from the underside. (See reference.)

**Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).**

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## **Material Citation**

If use of this material results in a scientific publication, please cite the material in the following manner: *Gluconobacter cerinus* Yamada and Akita (ATCC 49206)

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## **References**

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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## **Warranty**

The product is provided 'AS IS' and the viability of ATCC® products is warranted for 30

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49206

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