**Designation:** [NCIB 8034, NRC 6018]

**Deposited Name:** Acetobacter xylinum (Brown) Bergey et al.

**Product Description:** Produces 2-keto-L-gulonic acid (provitamin C) by enzymatic conversion of sorbitol.

**Medium**
ATCC® Medium 1: Mannitol Agar/Broth

**Growth Conditions**
Temperature: 26°C
Atmosphere: Aerobic

**Propagation Procedure**
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 tube before making subsequent transfers.
5. Incubate the tubes and plate at 26°C for 48 to 72 hours. Additional incubation may be required for solid medium.

This strain forms a pellicle at the surface of the broth as a result of cellulose production. This pellicle may sink to the bottom of the tube, resulting in new pellicle formation.

Additional information on this culture is available on the ATCC® web site at www.atcc.org.

**References**
References and other information relating to this product are available online at www.atcc.org.

**Biosafety Level: 1**

Intended Use
This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

Citation of Strain
If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: *Gluconacetobacter xylinus* (ATCC® 10245™)

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