Komagataeibacter xylinus (Brown) Yamada et al.

23767™

Description

Komagataeibacter xylinus strain NCIB 11664 is a whole-genome sequenced bacterial type strain that produces cellulose.

Strain designation: NCIB 11664 [BCRC 12952, CCM 3611, CCUG 37299, CIP 103107, DSM 6513, IFO 15237, JCM 7644, LMG 1515, NCTC 4112]

Deposited As: *Acetobacter xylinus* Yamada

Type strain: Yes

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

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
Atmosphere: Aerobic

Handling Procedures

1. Open vial.
2. Rehydrate the entire pellet with approximately 0.5 mL of #1 broth. Aseptically transfer the entire contents to a 5-6 mL tube of #1 broth. Additional test tubes can be inoculated by transferring 0.5 mL of the primary broth tube to these

secondary tubes.
3. Use several drops of the primary broth tube to inoculate a #1 plate and/or #1 agar slant.
4. Incubate at 26°C for 2-4 days.

Notes

Growth on agar is preferred.

The growth on kolle is a film over agar. Once scraped, it is chunky and mucus-like; thus, a bore-head pipette should be used to suck up material.

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: *Komagataeibacter xylinus* (Brown) Yamada et al. (ATCC 23767)

References

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

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Revision

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