9649

9649™

Description

Lactobacillus delbrueckii subsp. *delbrueckii* strain 730 [Calvert, NCDO 213] is a whole-genome sequenced bacterial type strain that was isolated from sour grain mash. This culture produces D(-)lactic acid from corn sugar and molasses.

Strain designation: 730 [Calvert, NCDO 213]
Deposited As: *Lactobacillus delbrueckii* subsp. *delbrueckii* (Leichmann) Weiss et al.
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 416: Lactobacilli MRS Agar/Broth
Temperature: 37°C
Atmosphere: 95% Air, 5% CO_2

Handling Procedures

1. Open vial according to enclosed instructions.
2. Using a single tube of #416 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 #416 agar slant and/or plate.

5. Incubate the tubes and plate at 37°C for 24 to 48 hours in an atmosphere of 5% CO_2. Ensure the screw caps loosen during an incubation period.

Notes

Growth on agar is improved when incubated in a sealed container with an Anaerobe Gas Pack. This serves to increase the CO_2 available to the organism and is not intended to provide a truly anaerobic environment. Do not incubate in an anaerobe chamber.

Purified genomic DNA of the strain is available (ATCC 9649DQ, ATCC 9649D-5).

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: 9649 (ATCC 9649)

References

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

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Revision

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