Latilactobacillus curvatus (Troili-Petersson) Zheng et al.

49178™

Description

Latilactobacillus curvatus strain LB26 [UW1] is a bacterium that was isolated in Wisconsin, United States, from the surface of cheddar cheese. This strain is cited to produce D-lactic acid.

Strain designation: LB26 [UW1]
Deposited As: *Lactobacillus casei* (Orla-Jensen) Hansen and Lessel
Type strain: No

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: Aerobic

Handling Procedures

1. Open vial.
2. From 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 and use to rehydrate the entire pellet.
3. Aseptically transfer the rehydrated pellet back into the broth tube. Mix well
4. Use several drops of this suspension to inoculate a second tube of broth, a slant and/or a plate.
5. Incubate tubes and plate aerobically at 37°C. Incubation under 5% CO_2 may enhance the growth, but is not necessary.

Notes

After 24-48 hours, growth is evident by turbidity in the broth and the formation of entire, glistening, smooth, circular, and high convex, white colonies on #416 agar.

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: *Latilactobacillus curvatus* (Troili-Petersson) Zheng et al. (ATCC 49178)

References

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

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Contact Information

ATCC
10801 University Boulevard
Manassas, VA 20110-2209
USA
US telephone: 800-638-6597
Worldwide telephone: +1-703-365-2700
Email: tech@atcc.org or contact your local distributor