



***Lactiplantibacillus plantarum* (Orla-Jensen) Zheng et al.**

10012™

Product Sheet

Description

Strain designation: [10 S, NCDO 352, NCIB 8016]

Deposited As: *Streptobacterium plantarum* Orla-Jensen

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: 95% Air, 5% CO₂

Handling Procedures

1. Open vial.
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 second tube of broth, a slant, and/or plate.

5. Incubate tubes and plate at 37°C in an atmosphere of 5% CO₂ for 48 hours.
Loosen screw caps of all test tubes during the incubation period.
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Notes

Growth on agar yields entire, smooth, glistening, white, opaque colonies that are 3-4 mm in diameter. They are coalescent and watery, with varying densities. High convex colonies are white and dense; low convex are buff and less dense.

Cells are evenly stained Gram positive rods in singles or loosely clustered in broth; geometrically aligned from agar. Growth in a CO₂ atmosphere is not required but may enhance growth.

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: *Lactiplantibacillus plantarum* (Orla-Jensen) Zheng et al. (ATCC 10012)

References

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

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