



# *Lactobacillus delbrueckii* subsp. *lactis* (Orla-Jensen) Weiss et al.

21051™

## Description

**Deposited As:** *Lactobacillus lactis* (Orla-Jensen) Bergey et al.

**Type strain:** No

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## Storage Conditions

**Product format:** Freeze-dried

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## 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.

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## **BSL 1**

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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.

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## **Certificate of Analysis**

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## **Growth Conditions**

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**Medium:**

ATCC Medium 416: Lactobacilli MRS Agar/Broth

**Temperature:** 37°C

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## Handling Procedures

1. Open vial according to enclosed instructions.
  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 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 at 37°C in an atmosphere of 5% CO<sub>2</sub> for 24 hours. Loosen screw caps of all test tubes during the incubation period.
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## Notes

After 24 hours, growth is evident by turbidity in the broth and the formation of small colonies on the slant and/or plate. Growth is best in broth culture or on biphasic slants. On #416 plates, colonies are entire, glistening, circular, small, convex, and translucent.

Salicin not fermented.

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

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## Material Citation

If use of this material results in a scientific publication, please cite the

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material in the following manner: *Lactobacillus delbrueckii* subsp. *lactis* (Orla-Jensen) Weiss et al. (ATCC 21051)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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## **Revision**

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