



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

8014™

## Description

*Lactiplantibacillus plantarum* strain 17-5 is a whole-genome sequenced bacterium known to produce lactic acid. This strain is recommended as a test microorganism for USP <441> and USP <91>.

**Strain designation:** 17-5 [BUCSAV 217, BUCSAV 449, Glaxo 664, ICPB 2080, NCDO 82, NCIB 6376, NCIB 8014, NCIB 8030]

**Deposited As:** *Lactobacillus arabinosus* Fred et al.

**Type strain:** No

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## Storage Conditions

**Product format:** Freeze-dried

**Storage conditions:** 2°C to 8°C

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## Intended Use

8014

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 submerged 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 submerged 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**

**Medium:**

ATCC Medium 416: Lactobacilli MRS Agar/Broth

**Temperature:** 37°C

**Atmosphere:** 95% Air, 5% CO<sub>2</sub>

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**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 #416 agar slant and/or plate.
  5. Incubate the tubes and plate at 37°C for 24 hours.
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**Notes**

When used as a Bacteriophage host, best results are achieved by using a 24 hours culture.

Purified genomic DNA of this strain is available (ATCC 8014D-5, ATCC 8014DQ).

Additional information on this culture is available on the ATCC<sup>®</sup> 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 material in the following manner: *Lactiplantibacillus plantarum* (Orla-Jensen) Zheng et al. (ATCC 8014)

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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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Product Sheet

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