



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

8014-MINI-PACK™

Description

ATCC 8014-MINI-PACK consists of 6 ready-to-use vials of ATCC 8014 frozen in 200 µL of glycerol stock, eliminating the need to rehydrate and culture the strain prior to use. Each vial is provided with a 2-D barcode for easy storage and tracking, as well as peel-off labels for fast and reliable recordkeeping.

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

Shipping information: 6 ready-to-use vials containing the strain in glycerol stock

Storage Conditions

Product format: Frozen

Storage conditions: -80°C or colder

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



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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



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Frozen mini-cryovials packed in dry ice should either be thawed immediately for use or stored at or below

-70°C until the expiration date printed on the label. Storage at -20°C is acceptable for up to 1 year.

1. Thaw the bacterial strain upright using gentle agitation in a 25°C to 30°C water bath. Thawing will be rapid; approximately 2-3 minutes or until all ice crystals have melted.
2. Immediately after thawing, wipe down the mini-cryovial with 70% ethanol and aseptically transfer the entire contents to a 5-6 mL tube of #416 broth or directly inoculate a #416 plate and/or #416 agar slant.
3. Discard the empty vial. Do not refreeze any unused portion as it will result in a loss of viability.
4. Incubate at 37°C for 24 hours in an atmosphere of 5% CO₂.

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 as ATCC® 8014D-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: *Lactiplantibacillus plantarum* (Orla-Jensen) Zheng et al. (ATCC 8014-MINI-PACK)

References

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

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