



***Fructilactobacillus fructivorans* (Charlton et al.) Zheng et al.**

15435™

Description

Fructilactobacillus fructivorans strain IAM H1 is a bacterium that was isolated in Japan from spoiled sake.

Strain designation: IAM H1

Deposited As: *Lactobacillus heterohiochii* Kitahara et al.

Type strain: Yes; type strain of *Lactobacillus heterohiochii*

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

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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 142: Lactobacillus sake medium

Temperature: 30°C

Atmosphere: Aerobic

Handling Procedures

1. Open vial.
2. Using a single tube of #142 broth (5 to 6 ml), withdraw approximately 0.5 to 1.0 ml with a Pasteur or 1.0 ml pipette. Rehydrate the pellet.
3. Aseptically transfer this aliquot back into the broth tube. Mix well.

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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 30°C in an aerobic atmosphere for 48 hours.
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Notes

After 48 hours, growth is evident by turbidity with a granular pellicle in the broth.

This strain grows poorly on agar. Best growth is obtained in broth culture or on biphasic slants. The cells are Gram positive rods, regular in shape, with chain formation.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Fructilactobacillus fructivorans* (Charlton et al.) Zheng et al. (ATCC 15435)

References

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

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