



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

15434<sup>TM</sup>

## **Description**

*Fructilactobacillus fructivorans* strain IAM H42 is a bacterium that was isolated in Japan from spoiled sake.

**Strain designation:** IAM H42

**Deposited As:** *Lactobacillus homohiochi* Kitahara 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**

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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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.

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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 142: Lactobacillus sake medium

**Temperature:** 30°C

**Atmosphere:** Aerobic

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### **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 to 96 hours, growth is evident by turbidity in the broth and the formation of small, white, round colonies on the agar plates. Best growth is obtained in broth culture or on biphasic slants. The cells are Gram positive rods, regular in shape, with short chain formation.

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### **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 15434)

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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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