



# *Xanthomonas fragariae* Kennedy and King emend. Van den Mooter and Swings

33239™

## Description

**Strain designation:** NCPPB 1469 [LMG 708]

**Deposited As:** *Xanthomonas fragariae* Kennedy and King emend. Van den Mooter and Swings

**Type strain:** Yes

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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

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 or national agencies.

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Product Sheet

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 86: Nutrient agar with 1% glucose

**Temperature:** 27°C

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## **Handling Procedures**

- 1. Open vial according to enclosed instructions.**
- 2. Using a single tube of #86 broth (5 to 6 ml), withdraw approximately 0.5 to 1.0 ml with a Pasteur or 1.0 ml pipette. Rehydrate 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 #86 agar slant and/or plate.**

5. Incubate the tubes and plate at 26°C for 72 hours.

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## **Notes**

Growth should be evident in 72 hours. Colonies are circular, entire, smooth, slimy and mucoid. They are variable in size and growth is scant. In 7 days, growth is very profuse, mucoid and yellow. The yellow pigment is non-diffusible. This strain will grow in Nutrient Broth or Agar without the added glucose, but growth is scant. The strain requires the following amino acids and vitamins for growth and must be added to any minimal medium when checking for carbon source utilization:

Biotin, 0.4 mg/L

Ca Pantothenate, 0.4 mg/L

Cyanocobalamin, 0.4 mg/L

Cystine, 26 mg/L

DL-Methionine, 10 mg/L

Motility is difficult to demonstrate.

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 material in the following manner: *Xanthomonas fragariae* Kennedy and King emend. Van den Mooter and Swings (ATCC 33239)

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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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