



# *Flavobacterium flevense* (van der Meulen et al.) Bernardet et al.

27944™

## Description

**Strain designation:** A-34 [DSM 1076, LMG 8328]

**Deposited As:** *Cytophaga flevensis* van der Meulen et al.

**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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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 793: Cytophaga agarase medium

**Temperature:** 26°C

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### **Handling Procedures**

- 1. Open the vial according to enclosed instructions.**
- 2. From a tube of #793 broth (5 to 6 ml), withdraw approximately 0.5 with a sterile pipette; add this medium to the vial to rehydrate the entire pellet.**
- 3. Aseptically transfer the contents of the vial into the broth tube. Mix well.**
- 4. Use several drops of the suspension to inoculate a #793 agar slant and/or plate.**

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**5. Incubate all tubes and plate at 26°C for 48 to 72 hours.**

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### **Notes**

Strain requires agar for the production of agarase.

Colonies at 48 to 72 hours are entire, smooth, glistening, low convex, and pale yellow. Pigment deepens to gold at 9 nine days. Luxurious growth will also occur on Tryptic Soy Agar, but the medium above was that recommended by the depositor. On some media, two colony types may be observed, but were identical in the ability to digest agar.

Cells are rods in singles, clumps, and chains. As the cells age, they swell, form sphaeroplasts, and lyse rapidly.

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### **Material Citation**

If use of this material results in a scientific publication, please cite the material in the following manner: *Flavobacterium flevense* (van der Meulen et al.) Bernardet et al. (ATCC 27944)

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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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