



# **Anaeromyxobacter dehalogenans Sanford et al.**

**BAA-258™**

## **Description**

**Strain designation:** 2CP-1 [DSM 21875]

**Deposited As:** *Anaeromyxobacter dehalogenans* Sanford et al.

**Type strain:** Yes

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## **Storage Conditions**

**Product format:** Frozen

**Storage conditions:** -80°C or colder

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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.

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 2282: R2A Modified for Anaeromyxobacter

**Temperature:** 30°C

**Atmosphere:** 80% N<sub>2</sub>, 20% CO<sub>2</sub>

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## Handling Procedures

1. Under anaerobic conditions, allow the frozen vial to thaw at room temperature.
2. Using a 1.0 mL syringe tipped with 22-gauge needle, withdraw the entire cell suspension from the vial and transfer it to a broth tube and incubate at 30°C. Plate 0.1 mL of the inoculated culture onto a non-selective medium and incubate aerobically at 30°C.

3. Growth should be evident within 5 to 7 days in broth. Growth may take longer on solid medium. No growth should be evident on aerobic medium.

**ANAEROBIC CONDITIONS:**

Anaerobic conditions for transfer may be obtained by either of the following

- Use of an anaerobic gas chamber, or
- Placement of test tubes under a gassing cannula system hooked to anaerobic gas.

Anaerobic conditions for incubation may be obtained by any of the following:

- Loose screw caps on test tubes in anaerobic chamber,
- Loose screw caps on test tubes in an activated anaerobic gas pack jar, or
- Use of sterile butyl rubber stoppers on test tubes so that an anaerobic gas headspace is retained.

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**Notes**

Always use freshly prepared pre-reduced media or pre-reduced media that has been previously prepared but stored under anaerobic conditions.

Cells are thin rods that exhibit Gram-negative staining.

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: *Anaeromyxobacter dehalogenans* Sanford et al. (ATCC BAA-258)

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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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