



# *Colwellia psychrerythraea* (D'Aoust and Kushner) Deming et al.

BAA-681™

## Description

*Colwellia psychrerythraea* strain 34H is an extreme psychrophile that was isolated in 1993 from a marine environment.

**Strain designation:** 34H

**Deposited As:** *Colwellia psychrerythraea* (D'Aoust and Kushner) Deming 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

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.

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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 2: Marine agar 2216 or marine broth 2216

**Temperature:** 4-8°C

**Atmosphere:** Aerobic

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### Handling Procedures

1. Open vial.
2. Rehydrate the entire pellet with approximately 0.5 mL of #2 broth. Aseptically transfer the entire contents to a 5-6 mL tube of #2 broth. Additional test tubes can be inoculated by transferring 0.5 mL of the primary broth tube to these

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secondary tubes.

3. Use several drops of the primary broth tube to inoculate a #2 plate and/or #2 agar slant.
  4. Incubate the tubes and plates at 4°C to 8°C. Initial cultures will take 10 to 20 days to grow; however, subsequent transfers may grow in 3-7 days.
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### **Notes**

It is recommended that initial cultures be incubated as cold as possible. It is very important that established cultures be kept between 4°C to 8°C. The culture quickly loses viability if stored in a warmer environment.

Purified genomic DNA of this strain is available (ATCC BAA-681D-5).

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: *Colwellia psychrerythraea* (D'Aoust and Kushner) Deming et al. (ATCC BAA-681)

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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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