



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

27364™

## Description

**Strain designation:** NRC 1004

**Deposited As:** *Vibrio psychroerythrus* D'Aoust and Kushner

**Type strain:** Yes

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## Storage Conditions

**Product format:** Frozen

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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 2: Marine agar 2216 or marine broth 2216

**Temperature:** 10°C

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### **Handling Procedures**

1. Pre-chill all media by placing at 4°C for 30 minutes.
2. Thaw vial according to enclosed instructions.
3. IMMEDIATELY place contents of the thawed vial into a single tube of chilled #2 broth (5 to 6 ml).
4. Use approximately 0.2 ml of the suspension to inoculate a slant.

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5. Incubate the tubes at 10°C for 5 to 7 days. Periodically tilt the slant to allow the pooled broth at the bottom of the slope to run over the surface of the agar.
6. After growth has been achieved, additional transfers may be made or cells prepared for storage. This strain will die off rapidly once the stationary phase is reached, even at refrigerator temperatures. To avoid frequent transfers, freeze cells with a suitable cryoprotectant.

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### Notes

This strain is **TEMPERATURE SENSITIVE**. You **MUST** use chilled media for rehydration or the cells may be damaged. Place tubes at the proper temperature immediately. Avoid temperatures of 20°C or above.

This strain has two colony types, one red and the other nonpigmented. All growth is initially nonpigmented, but the red pigment typical of this species develops within 24 to 48 hours. However, a small portion of the population will remain nonpigmented, and this characteristic remains stable.

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 27364)

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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**

This information on this document was last updated on 2023-02-26

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