



# ***Cereibacter sphaeroides*** **(van Niel) Hördt et al.**

**17024™**

## **Description**

*Cereibacter sphaeroides* strain ATH 2.4.2 is an anaerobic bacterium with applications in biotechnology.

**Strain designation:** ATH 2.4.2

**Deposited As:** *Rhodopseudomonas spheroides* van Niel

**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**

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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 112: Van Niel's yeast agar

**Temperature:** 30°C**Atmosphere:** Anaerobic

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## Handling Procedures

1. Open vial according to enclosed instructions.
2. Put 6 to 8 ml of ATCC Medium #112 into a 13 x 100 mm screw cap test tube (small). Pre-reduce the medium by adding 3.0% cysteine (stock concentration, 2 ml/100 ml medium) and then fill the test tube to capacity with ATCC Medium #112. Seal the test tube with a screw cap.

3. Let the tube sit at room temperature for 30 minutes before inoculating it with the rehydrated culture.
  4. Using a single tube of pre-reduced #112 broth (5 to 6 ml), withdraw approximately 0.5 to 1.0 ml with a Pasteur or 1.0 ml pipette. Rehydrate the entire pellet.
  5. Transfer the rehydrated pellet back into the screw cap test tube and close tightly. (The test tube should be filled to capacity).
  6. Incubate the culture at 30°C under a tungsten lamp.
  7. Once growth has been established (three to six days), the culture should be transferred to fresh broth. If a large inoculum is used (10-20%) the medium does not need to be pre-reduced.
  8. When examined microscopically, the cells appear as rods that occur singly or in pairs with rounded ends. The cells are motile.
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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Cereibacter sphaeroides* (van Niel) Hördt et al. (ATCC 17024)

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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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