**Designation:** T118 [DSM 15236]

**Deposited Name:** Rhodoferax ferrireducens Finneran et al.

**Medium**

ATCC® Medium 2433: Rhodoferax ferrireducens medium

**Growth Conditions**

**Temperature:** 26.0°C

**Atmosphere:** facultative anaerobe

**Propagation Procedure**

1. Open vial according to enclosed instructions.
2. Under anaerobic conditions, rehydrate the entire cell pellet with a small amount of #2433 broth. Transfer this aliquot back into the tube of broth.
3. Additional #2433 broth tubes can also be inoculated with 0.5 ml from the original broth.
4. Incubate at 26°C for 3-10 days.

**ANAEROBIC CONDITIONS:**

- 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.

**Notes**

This culture grows best in broth. Cells are Gram-negative small, motile rods. It is a facultative anaerobe. This organism can utilize 20 to 40 mM nitrate as an electron acceptor replacing Fe-(NTA). Initial growth can take up to 2 weeks but transfers with 10% inoculums take 3 to 5 days.

**References**

References and other information relating to this product are available online at www.atcc.org.

**Biosafety Level: 1**

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

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