**Designation:** 335 [CCUG 1776, CIP 104763, DSM 531, ICPB 3984, JCM 11282, NCCB 82041, NCIB 11842, NRRL B-14690, NRRL B-4383, R-10-e]

**Deposited Name:** Hydrogenomonas eutropha Wittenberg and Repaske

**Product Description:** Type strain. Formerly the type strain of Wautersia eutropha. Produces poly-D-3-hydroxybutyric acid from carbon dioxide.

**Medium**

ATCC® Medium 3: Nutrient agar or nutrient broth

**Growth Conditions**

Temperature: 26°C

Atmosphere: Aerobic

**Propagation Procedure**

1. Open thawed vial according to enclosed instructions or visit www.atcc.org for instructions.
2. Aseptically transfer the entire contents to a 5-6 mL tube of #3 broth. Additional test tubes can be inoculated by transferring 0.5 mL of the primary broth tube to these secondary tubes.
3. Use several drops of the primary broth tube to inoculate a #3 plate and/or #3 agar slant.
4. Incubate at 26°C for 24 hours.

Two colony types are observed on #3 plates; one small, one large. Both are opaque, circular with entire margins.

This strain may be tested for autotrophic growth in Medium #1246 (see formula below) with the gas mixture indicated:

KH₂PO₄, 2.3 g
Na₂HPO₄·2H₂O, 2.9 g
NH₄Cl, 1.0 g
MgSO₄·7H₂O, 0.5 g
NaHCO₃, 0.5 g
CaCl₂·2H₂O, 0.01 g
Ferric ammonium citrate, 0.05 g
Distilled water, 980.0 mL
Agar (if needed), 15.0 g

Sterilize ferric ammonium citrate (0.05 g in 20 mL H₂O) separately and then add to basal medium. Incubate at 30°C under a gas mixture of 60% H₂, 10% CO₂, 25% N₂, 5% O₂.

Additional information on this culture is available on the ATCC® web site at www.atcc.org.

**Notes**

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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