**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:

- KH$_2$PO$_4$, 2.3 g
- Na$_2$HPO$_4$.2H$_2$O, 2.9 g
- NH$_4$Cl, 1.0 g
- MgSO$_4$.7H$_2$O, 0.5 g
- NaHCO$_3$, 0.5 g
- CaCl$_2$.2H$_2$O, 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 H$_2$O) separately and then add to basal medium. Incubate at 30°C under a gas mixture of 60% H$_2$, 10% CO$_2$, 25% N$_2$, 5% O$_2$.

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

**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.

**ATCC Warranty**

ATCC® products are warranted for 30 days from the date of shipment, and this warranty is valid only if the product is stored and handled according to the information included on this product information sheet. If the ATCC® product is a living cell or microorganism, ATCC lists the media formulation that has been found to be effective for this product. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or
function of this product. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of materials on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of such materials.

Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org.

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

© ATCC 2020. All rights reserved. ATCC is a registered trademark of the American Type Culture Collection. [04/03]