**Description**

Designation: NCIMB 8052  
Deposited Name: *Clostridium acetobutylicum* McCoy et al. emend. Keis et al.

**Propagation**

Medium

ATCC® Medium 2107: Modified Reinforced Clostridial  
ATCC® Medium 260: Trypticase soy agar/broth with defibrinated sheep blood

Growth Conditions

Temperature: 37°C  
Atmosphere: Anaerobic

Propagation Procedure

1. Open vial according to enclosed instructions or visit www.atcc.org for instructions.  
2. Under anaerobic conditions aseptically rehydrate the entire pellet with approximately 0.5 mL of #2107 broth. Aseptically transfer the entire contents to a 5-6 mL tube of #2107 broth. Additional test tubes can be inoculated by transferring 0.5 mL of the primary broth tube to these secondary broth tubes. Best practice dictates the use of pre-reduced media.  
3. Use several drops of the primary broth tube to inoculate a #260 plate and/or #260 agar slant.  
4. Incubate in an anaerobic atmosphere at 37°C for 24 to 48 hours. Incubate one agar plate aerobically at 37°C to check for contamination.

**ANAEROBIC CONDITIONS:**  
Anaerobic conditions for transfer may be obtained by the use of an anaerobic gas chamber or placement of test tubes under a gassing cannula system connected to anaerobic gas.

Anaerobic conditions for incubation may be obtained by any of the following:

- Loose screw caps on test tubes in an anaerobic chamber  
- Loose screw caps on test tubes in an activated anaerobic gas pack jar  
- Use of sterile butyl rubber stoppers on test tubes so that an anaerobic gas headspace is retained

**Notes**

On Anaerobe systems brucella agar colonies are irregular, flat, undulate, and white. Anaerobe Systems Brucella Agar (AS-111) is recommended for the analysis of colony morphology and purity. 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.

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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.

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