**Designation:** S50 (Variant a)  
**Deposited Name:** Bifidobacterium parvulorum Reuter

**Medium**  
ATCC® Medium 2107: Modified Reinforced Clostridial Grown Conditions

**Temperature:** 37°C  
**Atmosphere:** Anaerobic

**Propagation Procedure**

1. Open vial according to enclosed instructions.
2. Under anaerobic conditions, withdraw 0.5 mL of recommended broth from a single test tube (5 to 6 mL) and rehydrate the entire vial contents.
3. Aseptically transfer this aliquot back into the broth tube. A slant and a pre-reduced blood plate may also be inoculated with 0.1 mL each of the cell suspension. An aerobic blood plate may also be streaked to check for purity.
4. Incubate tubes and plate under anaerobic conditions at 37°C. Incubate the second blood plate aerobically at 37°C.
5. Within 48 hours, growth should be evident by turbidity in the broth. No growth should occur on the blood agar plate incubated aerobically.

**ANAEROBIC CONDITIONS:**
Anaerobic conditions for transfer may be obtained by either of the following:  
- 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 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**

Colonies on #260 media are entire, smooth, glistening and low convex. This strain is sited to produce restriction endonuclease BbeAI and BbeAII. (3)

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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