**Bifidobacterium longum subsp. infantis (ATCC® 15697™)**

**Description**

**Designation:** S12  
**Deposited Name:** *Bifidobacterium infantis* Reuter  
**Product Description:** Type strain

**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 48-72 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

**Intended Use**

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

**Citation of Strain**

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: *Bifidobacterium longum subsp. infantis* (ATCC® 15697™)

**Notes**

ATCC recommends Anaerobe Systems Brucella Blood Plates (AS-111 or AS-141). Purified genomic DNA of this strain is available as ATCC® 15697-D-5™.

Several GenBank accessions are available for this item:

1. Nucleotide (GenBank): AF261679 *Bifidobacterium infantis* strain ATCC 15697 L-lactate dehydrogenase gene, partial cds.
2. Nucleotide (GenBank): CP001095 *Bifidobacterium longum* subsp. *infantis* ATCC 15697, complete genome.
6. Nucleotide (GenBank): X70974 *B. infantis* (CIP 6469) DNA sequence for 16S rRNA.
7. Nucleotide (GenBank): X89111 *Bifidobacterium* sp. 16S and 23S rRNA genes and ITS.

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

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Disclaimers

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

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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.

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