



Product Sheet

# *Bifidobacterium longum* (ATCC® 55818™)

Please read this **FIRST**



## 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* (ATCC® 55818™)

## Description

**Designation:** Y2-2B-04 [CCRC 910053]

**Deposited Name:** *Bifidobacterium longum* Reuter

## Propagation

### Medium

ATCC® Medium 1053: Reinforced Clostridial medium (Oxoid CM149)

### Growth Conditions

**Temperature:** 37.0°C

**Atmosphere:** Anaerobic

### Propagation Procedure

1. Open vial according to enclosed instructions and allow contents to thaw under anaerobic conditions.
2. Under anaerobic conditions, withdraw entire contents of vial and aseptically transfer this aliquot into a #1053 broth tube.
3. Additional tubes may be inoculated with 0.5 ml each from the suspension. A slant of #1053 may also be inoculated with 0.2 ml. Streak several blood plates to check for colonial morphology and purity.
4. Incubate tubes under an anaerobic atmosphere at 37°C. Incubate one agar plate anaerobically for colony formation, and one aerobically for aerobic contamination check.

### 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 hooked 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

Growth should be evident in 24 to 48 hours by observance of turbidity in the broth. Growth on solid medium may take 48 hours to achieve. Colonies on anaerobic blood plates appear circular, entire, cream, low convex or flat, and they vary in size. The culture should be transferred every 24 hours once growth has been established.

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

## References

References and other information relating to this product are available online at [www.atcc.org](http://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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**(ATCC® 55818™)**

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### **Disclaimers**

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Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

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