

***Bacteroides ovatus*, Strain CL02T12C04**

**Catalog No. HM-723**

**For research use only. Not for human use.**

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

Bacteria Classification: *Bacteroidaceae*, *Bacteroides*

Species: *Bacteroides ovatus*

Strain: CL02T12C04

Original Source: *Bacteroides ovatus* (*B. ovatus*), strain CL02T12C04 was isolated from healthy adult human feces in Boston, Massachusetts, USA.<sup>1</sup>

Comments: *B. ovatus*, strain CL02T12C04 ([HMP ID 1069](#)) is a reference genome for [The Human Microbiome Project](#) (HMP). HMP is an initiative to identify and characterize human microbial flora. The complete genome of *B. ovatus*, strain CL02T12C04 was sequenced at the [Broad Institute](#) (GenBank: [AGXT00000000](#)).

Note: HMP material is taxonomically classified by the depositor. Quality control of these materials is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material.

*B. ovatus* is a Gram-negative, anaerobic, non-motile commensal bacterium that inhabits the distal mammalian gut and has been implicated in the pathology of human inflammatory bowel disease.<sup>2,3</sup>

**Material Provided:**

Each vial contains approximately 0.5 mL of bacterial culture in Modified Chopped Meat medium supplemented with 10% glycerol.

Note: If homogeneity is required for your intended use, please purify prior to initiating work.

**Packaging/Storage:**

HM-723 was packaged aseptically in cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

**Growth Conditions:**

Media:

Modified Reinforced Clostridial broth or Modified Chopped Meat medium or equivalent

Tryptic Soy agar with 5% defibrinated sheep blood or equivalent

Incubation:

Temperature: 37°C

Atmosphere: Anaerobic

Propagation:

1. Keep vial frozen until ready for use, then thaw.
2. Transfer the entire thawed aliquot into a single tube of broth.
3. Use several drops of the suspension to inoculate an agar slant and/or plate.
4. Incubate the tube, slant and/or plate at 37°C for 48 to 72 hours.

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Bacteroides ovatus*, Strain CL02T12C04, HM-723."

**Biosafety Level: 2**

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. [Biosafety in Microbiological and Biomedical Laboratories](#). 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see [www.cdc.gov/biosafety/publications/bmbl5/index.htm](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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**References:**

1. Comstock, L. E., Personal Communication.
2. Cato, E. P. and J. L. Johnson. "Reinstatement of Species Rank for *Bacteroides fragilis*, *B. ovatus*, *B. distasonis*, *B. thetaiotaomicron*, and *B. vulgatus*: Designation of Neotype Strains for *Bacteroides fragilis* (Veillon and Zuber) Castellani and Chalmers and *Bacteroides thetaiotaomicron* (Distaso) Castellani and Chalmers." Int. J. Syst. Bacteriol. 26 (1976): 230-237.
3. Saitoh, S., et al. "*Bacteroides ovatus* as the Predominant Commensal Intestinal Microbe Causing a Systemic Antibody Response in Inflammatory Bowel Disease." Clin. Diagn. Lab. Immunol. 9 (2002): 54-59. PubMed: 11777829.
4. Wexler, H. M. "*Bacteroides*: the Good, the Bad, and the Nitty-Gritty." Clin. Microbiol. Rev. 20 (2007): 593-621. PubMed: 17934076.

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