

***Bacteroides dorei*, Strain CL02T12C06**

**Catalog No. HM-719**

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

**Contributor:**

Laurie E. Comstock, PhD, Associate Microbiologist, Department of Medicine, Channing Laboratory, Brigham and Women's Hospital, Harvard Medical School, Boston, Massachusetts, USA

**Manufacturer:**

BEI Resources

**Product Description:**

Bacteria Classification: *Bacteroidaceae*, *Bacteroides*

Species: *Bacteroides dorei*

Strain: CL02T12C06

Original Source: *Bacteroides dorei* (*B. dorei*), strain CL02T12C06 was isolated from healthy adult human feces in Boston, Massachusetts, USA.<sup>1,2</sup>

Comments: *B. dorei*, strain CL02T12C06 ([HMP ID 1064](#)) 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. dorei*, strain CL02T12C06 was sequenced at the [Broad Institute](#) (GenBank: [AGXJ00000000](#)).

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. dorei* is a Gram-negative, anaerobic, non-motile bacterium typically isolated from the gastrointestinal tract and feces of humans.<sup>3-5</sup> Little is known of the pathogenic potential of *B. dorei*, as clinical data is scarce for this organism.<sup>6</sup>

**Material Provided:**

Each vial contains approximately 0.5 mL of bacterial culture in 0.5X Modified Reinforced Clostridial broth supplemented with 10% glycerol.

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

**Packaging/Storage:**

HM-719 was packaged aseptically, in screw-capped plastic 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, Modified Chopped Meat

medium or equivalent

Tryptic Soy agar with 5% sheep blood or equivalent

Incubation:

Temperature: 37°C

Atmosphere: Anaerobic (80% N<sub>2</sub>: 20% CO<sub>2</sub>)

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 dorei*, Strain CL02T12C06, HM-719."

**Biosafety Level: 1**

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).

**Disclaimers:**

You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at [www.beiresources.org](http://www.beiresources.org).

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

**Use Restrictions:**

**This material is distributed for internal research, non-commercial purposes only.** This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale.

**References:**

1. L. E. Comstock, Personal Communication.
2. [HMP ID 1064](#) (*Bacteroides dorei*, strain CL02T12C06)
3. Bakir, M. A., et al. "*Bacteroides dorei* sp. nov., Isolated from Human Faeces." *Int. J. Syst. Evol. Microbiol.* 56 (2006): 1639-1643. PubMed: 16825642.
4. Sánchez, E., et al. "Intestinal *Bacteroides* Species Associated with Coeliac Disease." *J. Clin. Pathol.* 63 (2010): 1105-1111. PubMed: 20972239.
5. Wexler, H. M. "*Bacteroides*: the Good, the Bad, and the Nitty-Gritty." *Clin. Microbiol. Rev.* 20 (2007): 593-621. PubMed: 17934076.
6. Pedersen, R. M., E. S. Marmolin, and U. S. Justesen. "Species Differentiation of *Bacteroides dorei* from *Bacteroides vulgatus* and *Bacteroides ovatus* from *Bacteroides xylanisolvens* - Back to Basics." *Anaerobe* 24 (2013): 1-3. PubMed: 23994205.

ATCC® is a trademark of the American Type Culture Collection.

