

***Bacteroides vulgatus*, Strain CL09T03C04**

Catalog No. HM-720

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Bacteroidaceae*, *Bacteroides*

Species: *Bacteroides vulgatus*

Strain: CL09T03C04

Original Source: *Bacteroides vulgatus* (*B. vulgatus*), strain CL09T03C04 was isolated from healthy adult human feces in Boston, Massachusetts, USA.¹

Comments: *B. vulgatus*, strain CL09T03C04 ([HMP ID 1058](#)) 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. vulgatus*, strain CL09T03C04 was sequenced at the [Broad Institute](#) (GenBank: [AGXZ00000000](#)).

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. vulgatus is a Gram-negative, anaerobic, non-motile bacterium commonly found in the gastrointestinal tract and feces of humans.^{2,3} While generally considered to be a beneficial gut commensal, some studies suggest that specific strains of *B. vulgatus* are capable of promoting or protecting against colitis.^{4,5}

Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in 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-720 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 medium 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 2 to 3 days.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Bacteroides vulgatus*, Strain CL09T03C04, HM-720."

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.

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References:

1. Comstock, L. E., Personal Communication.
2. Eggerth, A. H. and B. H. Gagnon. "The Bacteroides of Human Feces." J. Bacteriol. 25 (1933): 389-413. PubMed: 16559622.
3. 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.
4. Cuiv, P. Ó., et al. "Draft Genome Sequence of *Bacteroides vulgatus* PC510, a Strain Isolated from Human Feces." J. Bacteriol. 193 (2011): 4025-4026. PubMed: 21622758.
5. Wexler, H. M. "*Bacteroides*: The Good, the Bad, and the Nitty-Gritty." Clin. Microbiol. Rev. 20 (2007): 593-621. PubMed: 17934076.
6. [HMP ID 1058](#) (*Bacteroides vulgatus*, strain CL09T03C04)
7. 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.

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