Bacteroides fragilis, Strain CL03T00C08

Catalog No. HM-713

For research use only. Not for human use.

Contributor:
Laurie E. Comstock, Ph.D., 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 fragilis
Strain: CL03T00C08
Original Source: Bacteroides fragilis (B. fragilis), strain CL03T00C08 was isolated from healthy adult human feces in Massachusetts, USA.1
Comments: B. fragilis, strain CL03T00C08 (HMP ID 1066) 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. fragilis, strain CL03T00C08 was sequenced at the Broad Institute (GenBank: AGXK00000000).

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. fragilis is a Gram-negative, anaerobic, non-motile bacterium that is both a normal colonic commensal, critical to host mucosal and systemic immunity and an opportunistic pathogen.2,3 Although only a minor component of the human gut microflora (<1%), B. fragilis isolates are the primary anaerobe in clinical specimens, bloodstream infections and abdominal abscesses.3 Strains are classified as either nontoxicigenic or enterotoxigenic B. fragilis (NTBF or ETBF, respectively), the latter secreting an extracellular metalloprotease toxin.3,4,5 All B. fragilis strains are presumed to be resistant to ampicillin and penicillin.6

Material Provided:
Each vial contains approximately 0.5 mL of bacterial culture in Modified Chopped Meat broth supplemented with 10% glycerol.

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

Packaging/Storage:
HM-713 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 Chopped Meat broth or Modified Reinforced Clostridial broth 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 fragilis, Strain CL03T00C08, HM-713.”

Biosafety Level: 2


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www.beiresources.org

E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898
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**References:**

6. CLSI M100-S28 (2018)

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