

***Bacteroides eggerthii*, Strain 1_2_48FAA**

Catalog No. HM-210

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Bacteroidaceae*, *Bacteroides*

Species: *Bacteroides eggerthii*

Strain: 1_2_48FAA

Original Source: *Bacteroides eggerthii* (*B. eggerthii*), strain 1_2_48FAA was isolated from inflamed biopsy tissue taken from the gastrointestinal tract of a 25-year-old male patient with symptoms of irritable bowel syndrome.^{1,2}

Comments: *B. eggerthii*, strain 1_2_48FAA ([HMP ID 1016](#)) 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. eggerthii*, strain 1_2_48FAA was sequenced at the [Broad Institute](#) (GenBank: [ACWG00000000](#)).

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. eggerthii is a Gram-negative, obligately anaerobic, non-motile commensal bacterium that inhabits the human gut.³ *Bacteroides* species maintain a complex and usually beneficial host relationship when retained in the gut, but when they escape this environment they can cause significant pathology.⁴

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-210 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 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 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 eggerthii*, Strain 1_2_48FAA, HM-210."

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 <http://www.cdc.gov/biosafety/publications/bmbl5/index.htm>.

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References:

1. Allen-Vercoe, E., Personal Communication.
2. [HMP ID 1016](#) (*Bacteroides eggerthii*, strain 1_2_48FAA)
3. Holdeman, L. V. and W. E. C. Moore. "New Genus, *Coprococcus*, Twelve New Species, and Amended Descriptions of Four Previously Described Species of Bacteria from Human Feces." Int. J. Syst. Bacteriol. 24 (1974): 260-277.
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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