

***Lachnospiraceae* bacterium, Strain 6\_1\_63FAA**

**Catalog No. HM-150**

**For research use only. Not for use in humans.**

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

Bacteria Classification: *Clostridiales*, *Lachnospiraceae*

Family: *Lachnospiraceae*

Strain: 6\_1\_63FAA

Original Source: *Lachnospiraceae* bacterium, strain 6\_1\_63FAA was obtained from a healthy biopsy sample taken from the ascending colon of a 51-year-old female patient with remittent Crohn's disease.<sup>1</sup>

Comments: *Lachnospiraceae* bacterium, strain 6\_1\_63FAA (HMP ID 0992) is a reference genome for [The Human Microbiome Project](#) (HMP).<sup>2</sup> HMP is an initiative to identify and characterize human microbial flora. The complete genome of *Lachnospiraceae* bacterium, strain 6\_1\_63FAA was sequenced at the [Broad Institute](#) (GenBank: [ACTV00000000](#)).

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.

*Lachnospiraceae* bacterium, strain 6\_1\_63FAA is a strictly anaerobic, non-spore-forming, non-motile, rod-shaped bacterium. *Lachnospiraceae* species have a Gram-positive cell wall but some strains have been reported to stain Gram-variable or Gram-negative depending on the duration of growth.<sup>3</sup>

**Material Provided:**

Each vial contains approximately 0.5 mL of bacterial culture in Modified Trypticase-Yeast Extract (TY) broth supplemented with 10% glycerol.

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

**Packaging/Storage:**

HM-150 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:

Trypticase-Yeast Extract (TY) broth or equivalent  
Tryptic Soy Agar with 5% 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: *Lachnospiraceae* bacterium, Strain 6\_1\_63FAA, HM-150."

**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](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see [www.cdc.gov/biosafety/publications/bmbl5/index.htm](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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**References:**

1. Allen-Vercoe E., Personal Communication
2. [HMP ID 0992](#) (*Lachnospiraceae* sp., strain 6\_1\_63FAA)
3. Lawson, P. A., et al. "Anaerobes: A Piece in the Puzzle for Alternative Biofuels." *Anaerobe* 17 (2011): 206-210. PubMed: 21699990.

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