

***Collinsella* sp., Strain 4_8_47FAA**

Catalog No. HM-304

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Coriobacteriaceae*, *Collinsella*

Species: *Collinsella* sp.

Strain: 4_8_47FAA

Original Source: *Collinsella* sp., strain 4_8_47FAA was isolated from inflamed biopsy tissue taken from the sigmoid colon of a 25-year-old female patient with Crohn's disease.^{1,2}

Comments: *Collinsella* sp., strain 4_8_47FAA ([HMP ID 9463](#)) 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 *Collinsella* sp., strain 4_8_47FAA is currently being sequenced at the [Broad Institute](#).

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.

Collinsella species are obligately anaerobic, non-sporulating, Gram-positive rods found in the microflora of the human lower gastrointestinal tract.^{3,4}

Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in 0.5X Modified Chopped Meat Medium supplemented with 10% glycerol.

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

Packaging/Storage:

HM-304 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 Medium ([ATCC medium 1490](#)) or equivalent

Tryptic Soy Agar with 5% sheep blood or equivalent

Incubation:

Temperature: 37°C

Atmosphere: Anaerobic (80% N₂:10% CO₂:10% H₂)

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: *Collinsella* sp., Strain 4_8_47FAA, HM-304."

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. Professor Emma Allen-Vercoe, personal communication
2. [HMP ID 9463](#) (*Collinsella* sp., strain 4_8_47FAA)
3. Kageyama, A., Y. Benno and T. Nakase. "Phylogenetic and Phenotypic Evidence for the Transfer of *Eubacterium aerofaciens* to the Genus *Collinsella* as *Collinsella aerofaciens* gen. nov., comb. nov." *Int. J. Syst. Bacteriol.* 49 (1999): 557-565. PubMed: 10319476.
4. Kageyama, A. and Y. Benno. "Emendation of Genus *Collinsella* and Proposal of *Collinsella stercoris* sp. nov. and *Collinsella intestinalis* sp. nov." *Int. J. Syst. Evol. Microbiol.* 50 (2000): 1767-1774. PubMed: 11034485.

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