

***Dorea formicigenerans*, Strain
4_6_53AFAA**

Catalog No. HM-300

For research use only. Not for use in humans.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Lachnospiraceae*, *Dorea*

Species: *Dorea formicigenerans*

Strain: 4_6_53AFAA

Original Source: *Dorea formicigenerans* (*D. formicigenerans*), strain 4_6_53AFAA was isolated from human gastrointestinal tract biopsy sample.^{1,2}

Comments: *D. formicigenerans*, strain 4_6_53AFAA ([HMP ID 9457](#)) 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 *D. formicigenerans*, strain 4_6_53AFAA was sequenced at the [Broad Institute](#) (GenBank: [ADLU00000000](#)).

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.

D. formicigenerans is an obligately anaerobic, non-motile, non-sporulating, Gram-positive, rod-shaped bacterium found in normal human colonic microflora.³

Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in Chopped Meat medium with 1% glucose supplemented with 10% glycerol.

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

Packaging/Storage:

HM-300 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:

Chopped Meat medium with 1% glucose 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 1 to 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: *Dorea formicigenerans*, Strain 4_6_53AFAA, HM-300."

Biosafety Level: 1

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.

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References:

1. Allen-Vercoe, E., Personal Communication.
2. [HMP_ID_9457](#) (*Dorea formicigenerans*, strain 4_6_53AFAA)
3. Taras, D., et al. "Reclassification of *Eubacterium formicigenerans* Holdeman and Moore 1974 as *Dorea formicigenerans* gen. nov., comb. nov., and Description of *Dorea longicatena* sp. nov., Isolated from Human Faeces." *Int. J. Syst. Evol. Microbiol.* 52 (2002): 423-428.

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