

Genomic DNA from *Clostridium orbiscindens*, Strain 1_3_50AFAA

Catalog No. HM-303D

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Genomic DNA was obtained from a preparation of *Clostridium orbiscindens* (*C. orbiscindens*; proposed *Flavonifractor plautii*)¹, strain 1_3_50AFAA. **Note:** The HMP material used for DNA extraction was taxonomically classified by the depositor. Quality control of HMP organisms is only performed to demonstrate that the material produced by BEI Resources is identical to the deposited material.

C. orbiscindens, strain 1_3_50AFAA was isolated from healthy tissue taken from the descending colon of a 19-year-old female with Crohn's disease.^{2,3} It 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 *C. orbiscindens* 1_3_50AFAA is currently being sequenced at the [Broad Institute](#).

HM-303D has been qualified for PCR applications by amplification of approximately 1500 bp of the 16S ribosomal RNA gene.

Material Provided:

Each vial contains 0.7 to 1.5 µg of bacterial genomic DNA in TE buffer (10 mM Tris-HCl and 1 mM EDTA, pH ~ 8.0). The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

Packaging/Storage:

HM-303D was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: Genomic DNA from *Clostridium orbiscindens*, Strain 1_3_50AFAA, HM-303D."

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](#). 5th ed. Washington, DC: U.S. Government Printing Office, 2007; see www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm.

Disclaimers:

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References:

1. Carlier, J. P., et al. "Proposal to Unify *Clostridium orbiscindens* Winter et al. 1991 and *Eubacterium plautii* (Séguin 1928) Hofstad and Aasjord 1982, with Description of *Flavonifractor plautii* gen. nov., comb. nov., and Reassignment of *Bacteroides capillosus* to *Pseudoflavonifractor capillosus* gen. nov., comb. nov." *Int. J. Syst. Evol. Microbiol.* 60 (2010): 585-590. PubMed: 19654357.
2. Professor Emma Allen-Vercoe, personal communication.
3. [HMP 9460](#) (*C. orbiscindens*, strain 1_3_50AFAA)

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