

Genomic DNA from *Bifidobacterium breve*, Strain EX336960VC19

Catalog No. HM-412D

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 *Bifidobacterium breve* (*B. breve*), strain EX336960VC19. 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.

B. breve, strain EX336960VC19 was isolated from a human mid-vaginal wall in March 2010 in Richmond, Virginia.^{1,2} *B. breve*, strain EX336960VC19 ([HMP_9667](#)) is a reference genome for [The Human Microbiome Project](#) (HMP). HMP is an initiative to identify and characterize human microbial flora. *B. breve*, strain EX336960VC19 is currently being sequenced at the [Virginia Commonwealth University](#).

HM-412D 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-412D 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 *Bifidobacterium breve*, Strain EX336960VC19, HM-412D."

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, 2009; see <http://www.cdc.gov/biosafety/publications/bmbl5/index.htm>.

Disclaimers:

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References:

1. Professor G. A. Buck, personal communication.
2. [HMP_9667](#) (*B. breve*, strain EX336960VC19)
3. Lee, J. H. and D. J. O'Sullivan. "Genomic Insights into *Bifidobacteria*." [Microbiol. Mol. Biol. Rev.](#) 74 (2010): 378-416. PubMed: 20805404.

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