

Genomic DNA from *Treponema denticola*, Strain F0402

Catalog No. HM-259D

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Genomic DNA was extracted from a preparation of *Treponema denticola* (*T. denticola*), strain F0402. 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.

T. denticola, strain F0402 (formerly known as B1) was isolated from human subgingival dental plaque in the United States.^{1,2} *T. denticola*, strain F0402 ([HMP ID 9353](#)) 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 *T. denticola*, strain F0402 was sequenced at the [Broad Institute](#) (GenBank: [ADEC00000000](#)).

HM-259D has been qualified for PCR applications by amplification of approximately 1500 base pairs 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 ~ 7.4). The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

Packaging/Storage:

HM-259D 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 *Treponema denticola*, Strain F0402, HM-259D."

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 www.cdc.gov/biosafety/publications/bmbl5/index.htm.

Disclaimers:

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References:

1. Izard, J., Personal Communication.
2. [HMP ID 9353](#) (*Treponema denticola*, strain F0402).
3. Seshadri, R., et al. "Comparison of the Genome of the Oral Pathogen *Treponema denticola* with Other Spirochete Genomes." *Proc. Natl. Acad. Sci. USA* 101 (2004): 5646-5651. PubMed: 15064399.

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