

Genomic DNA from *Escherichia coli*, Strain D9

Catalog No. HM-87D

For research use only. Not for use in humans.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Genomic DNA was extracted from a preparation of *Escherichia coli* (*E. coli*), strain D9 (previously referred to as *Shigella* sp., this genus has been reclassified and the genus designation on the vial label refers to the old nomenclature).¹ *E. coli*, strain D9 (also referred to as strain 36_3_1A) was isolated in 2007 from normal biopsy tissue taken from the cecum of a 59-year-old male patient undergoing a colon cancer screen in Calgary, Alberta, Canada.^{1,2} *E. coli*, strain D9 ([HMP ID 0760](#)) 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 *E. coli*, strain D9 was sequenced at the [Broad Institute](#) (GenBank: [ACDL00000000](#)).

HM-87D has been qualified for PCR applications by amplification of approximately 1500 bp of the 16S ribosomal RNA gene.

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.

Material Provided:

Each vial contains 0.7 µg to 1.5 µg of bacterial genomic DNA in TE buffer (10 mM Tris-HCl and 1 mM EDTA, pH 8). The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

Packaging/Storage:

HM-87D was packaged aseptically in 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 *Escherichia coli*, Strain D9 (Deposited as *Shigella* sp., Strain D9), HM-87D.”

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 (BMBL). Current Edition. Washington, DC: U.S. Government Printing Office.

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References:

- [HMP ID 0760](#) (*Escherichia coli*, strain D9)
- Allen-Vercoe, E., Personal Communication.

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