

Genomic DNA from *Escherichia coli*, Strain 83972

Catalog No. HM-50D

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 *Escherichia coli* (*E. coli*), strain 83972. **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.

E. coli, strain 83972 was isolated from the urine of a young girl with a three-year history of asymptomatic bacteriuria with stable renal function in Gothenburg, Sweden.¹⁻² *E. coli*, strain 83972 ([HMP ID 0358](#)) is a reference genome for [The Human Microbiome Project](#) (HMP). HMP is an initiative to identify and characterize human microbial flora. The complete genomic sequence of *E. coli* 83972 was recently determined (GenBank: [CP001671](#))³; it is currently being sequenced by the Human Genome Sequencing Center at the [Baylor College of Medicine](#) (GenBank: [ACGN00000000](#)).

HM-50D 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-50D 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 *Escherichia coli*, Strain 83972, HM-50D."

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:

- Andersson, P., et al. "Persistence of *Escherichia coli* Bacteriuria Is Not Determined by Bacterial Adherence." [Infect. Immun.](#) 59 (1991): 2915-2921. PubMed: 1879917.
- [HMP 0358](#) (*Escherichia coli*, strain 83972)
- Zdziarski, J., et al. "Host Imprints on Bacterial Genomes--Rapid, Divergent Evolution in Individual Patients." [PLoS Pathog.](#) 6 (2010): e1001078. PubMed: 20865122. GenBank: CP001671.

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