

Genomic DNA from *Escherichia coli*, Strain EH1534

Catalog No. NR-10337

For research use only. Not for human use.

Contributor:

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Product Description:

Genomic DNA was isolated from a preparation of *Escherichia coli* (*E. coli*), strain EH1534, serotype O26:H11.

E. coli, strain EH1534, was isolated from a stool sample of a two year old female during the 2007 verocytotoxin-producing *E. coli* (VTEC) outbreak in Belgium.¹

E. coli, strain EH1534 is reported to have virulence markers VT1, *eaeA*, *ehxA*, *espP* and *katP* and an incomplete OI 122 pathogenicity island.²

NR-10337 has been qualified for PCR applications by amplification of approximately 1500 bp of the 16S ribosomal RNA.

Material Provided:

Each vial contains 4 to 6 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:

NR-10337 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 the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Genomic DNA from *Escherichia coli*, Strain EH1534, NR-10337."

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/bmb15/bmb15toc.htm.

Disclaimers:

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References:

1. De Schrijver, K., et al. "Outbreak of Verocytotoxin-Producing *E. coli* O145 and O26 Infections Associated with the Consumption of Ice Cream Produced at a Farm, Belgium, 2007." *Euro. Surveill.* 13 (2008): 8041. PubMed: 18445416.
2. Buvens, G., et al. "Virulence Factors of Verocytotoxin-Producing *Escherichia coli* O145:H28 and O26:H11 Isolated During a HUS Outbreak in Belgium." PEN Conference: Epidemiology and Transmission of VTEC and Other Pathogenic *Escherichia coli*. September, 2008, Swedish Institute for Infectious Disease Control, Stockholm, Sweden. [PEN Conference 2008](#).

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