

Genomic DNA from *Escherichia coli*, Strain 101-1**Catalog No. NR-9299****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 101-1.

E. coli, strain 101-1, was obtained from stool specimens after an outbreak of gastrointestinal illness in Japan.¹

E. coli, strain 101-1 is an atypical EAEC and is not known to contain any of the previously identified virulence factors. Genome sequence information is available at [Escherichia coli 101-1 Project at TIGR](#).

NR-9299 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-9299 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 101-1, NR-9299."

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/bmbl5/bmbl5toc.htm.

Disclaimers:

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References:

1. Itoh, Y., et al. "Laboratory Investigation of Enterohemorrhagic *Escherichia coli* O157:H7 Associated with a Massive Outbreak of Gastrointestinal Illness." *J. Clin. Microbiol.* 35 (1997): 2546-2550. PubMed: 9316905.
2. Kaper, J. B., J. P. Nataro and H. L. Mobley. "Pathogenic *Escherichia coli*." *Nat. Rev. Microbiol.* 2 (2004): 123-140. PubMed: 15040260.

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