

Genomic DNA from *Escherichia coli*, Strain CDC (ATCC® 12807™)

Catalog No. NR-3050

For research use only. Not for human use.

Contributor:
ATCC®

Manufacturer:
BEI Resources

Product Description:

Genomic DNA was extracted from a preparation of *Escherichia coli* (*E. coli*), strain CDC (ATCC® 12807™), serotype O126:K71(B16):H.

The atypical¹ enteropathogenic *E. coli* (EPEC), strain CDC was deposited to the ATCC® by the National Communicable Disease Center, Atlanta, Georgia. The presence of plasmid pEAF and virulence markers EAF and *bfpA*, has been confirmed by PCR amplification.

NR-3050 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 µg to 1.5 µg of bacterial genomic DNA in TE buffer (10 mM Tris-HCl and 1 mM EDTA, pH ~ 8.0). Lot 58666831 contains approximately 4 µg 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-3050 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: Genomic DNA from *Escherichia coli*, Strain CDC (ATCC® 12807™), NR-3050."

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. Alikhani, M. Y., A. Mirsalehian and M. M. Aslani. "Detection of Typical and Atypical Enteropathogenic *Escherichia coli* (EPEC) in Iranian Children With and Without Diarrhoea." *J. Med. Microbiol.* 55 (2006): 1159-1163. PubMed: 16914644.
2. Momenteau, H. "Study on Enteropathogenic *E. coli* of the O126:K71 (B16) Serotype." *Ann. Inst. Pasteur (Paris)* 113 (1967): 128-131. PubMed: 4864790.
3. Tobe, T., et al. "Complete DNA Sequence and Structural Analysis of the Enteropathogenic *Escherichia coli* Adherence Factor Plasmid." *Infect. Immun.* 67 (1999): 5455-5462. PubMed. 10496929.

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