

**Genomic DNA from *Escherichia coli*, Strain CoGen001848**

**Catalog No. NR-4634**

**For research use only. Not for human use.**

**Contributor and Manufacturer:**

BEI Resources

**Product Description:**

Genomic DNA was isolated from a preparation of *Escherichia coli* (*E. coli*), strain CoGen001848, serotype O157:H7.

Enterohemorrhagic *E. coli* (EHEC), strain CoGen001848 is an isolate from Illinois that was obtained during the 2006 California spinach outbreak.<sup>1</sup> The *E. coli* (O157:H7) isolated during the 2006 California spinach outbreak are defined by a common set of 14 distinct chromosomal markers.<sup>2</sup>

NR-4634 has been qualified for PCR applications by amplification of approximately 1500 base pairs of the 16S ribosomal RNA gene.

**Material Provided:**

Each vial contains 4 µg to 6 µg of bacterial genomic DNA in TE buffer (10 mM Tris-HCl, 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:**

NR-4634 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 CoGen001848, NR-4634."

**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](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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**References:**

1. "Illinois' *E. coli* Case Linked to Bagged Spinach." Illinois Department of Public Health. September 26, 2006. <http://www.idph.state.il.us/public/press06/9.26.06spinach.htm>
2. Kotewicz, M. L., et al. "Optical Mapping and 454 Sequencing of *Escherichia coli* O157:H7 Isolates Linked to the U.S. 2006 Spinach-Associated Outbreak." Microbiology 154 (2008): 3518-3528. PubMed: 18957604.

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