

**Genomic DNA from *Escherichia coli*, Strain 4.0967****Catalog No. NR-19883****For research use only. Not for human use.****Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

Genomic DNA was isolated from a preparation of *Escherichia coli* (*E. coli*), strain 4.0967, serotype O145:H2.

Enterohemorrhagic *E. coli* (EHEC), strain 4.0967 is reported to be a Shiga toxin-producing *E. coli* that was isolated from rabbit and is part of a genome sequencing project at the [J. Craig Venter Institute](#).<sup>1,2</sup> The complete genome of *E. coli*, strain 4.0967 is available (GenBank: [AFAA00000000](#)).

NR-19883 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, 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-19883 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 4.0967, NR-19883."

**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. Kapur, V., et al. "Genome Sequencing and Analysis of Pathogenic *Escherichia coli* Strains." [J. Craig Venter Institute](#). (2009) [http://gsc.icvi.org/docs/STEC\\_WhitePaper.pdf](http://gsc.icvi.org/docs/STEC_WhitePaper.pdf)
2. DebRoy, C., Personal Communication.

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