Product Information Sheet for NR-3053

Genomic DNA from *Escherichia coli*, Strain E 10

Catalog No. NR-3053

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*, strain E 10, serotype O77:K96:NM.

Escherichia coli, strain E 10 was isolated from human tissue (peritonitis).

NR-3053 has been qualified for PCR applications by amplification of approximately 1500 bp of the 16S ribosomal RNA.

Material Provided:
Each vial contains 4–6 µg of bacterial genomic DNA in TE buffer (10 mM Tris-HCl pH 7.4, 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-3053 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 E 10, NR-3053."

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. Orskov, I., et al. "Serology, Chemistry, and Genetics of O and K Antigens of *Escherichia coli*." Bacteriol. Rev. 41 (1977): 667–710. PubMed: 334154.
2. Orskov, I. and F. Orskov. "Five New *Escherichia coli* K Antigens, K95, K96, K97, K98 and K100." Acta Pathol. Microbiol. Scand. [B] 84B (1976): 321–325. PubMed: 63221.
3. Jann, B., H. Kochanowski, and K. Jann. "Structure of the Capsular K96 Polysaccharide (K96 Antigen) from *Escherichia coli* O77:K96:H- and Comparison with the Capsular K54 Polysaccharide (K54 Antigen) from *Escherichia coli* O6:K54:H10." Carbohydr. Res. 253 (1994): 323–327. PubMed: 8156556.

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