

**Genomic DNA from *Listeria monocytogenes*, Strain J0161**

**Catalog No. NR-13342**

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

**Contributor and Manufacturer:**

BEI Resources

**Product Description:**

Genomic DNA was extracted from a preparation of *Listeria monocytogenes* (*L. monocytogenes*), strain J0161.

*L. monocytogenes*, strain J0161 was isolated from a case of human listeriosis linked to a multi-state outbreak from a turkey processing plant in the United States in 2000. It is one of a few lineage II strains associated with human listeriosis.<sup>1-3</sup> The complete genome of *L. monocytogenes*, strain J0161 has been sequenced (GenBank: [CP002001](#)).<sup>2</sup> For more sequencing information, refer to the Broad Institute's [Listeria Genome Project](#).

NR-13342 has been qualified for PCR applications by amplification of approximately 1500 base pairs of the 16S ribosomal RNA.

**Material Provided:**

Each vial contains bacterial genomic DNA in TE buffer (10 mM Tris-HCl and 1 mM EDTA, pH ~ 8). The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

**Packaging/Storage:**

NR-13342 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 BEI Resources, NIAID, NIH: Genomic DNA from *Listeria monocytogenes*, Strain J0161, NR-13342."

**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).

**Disclaimers:**

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**References:**

1. [Broad Institute \*Listeria monocytogenes\* Database](#)
2. Olsen, S. J., et al. "Multistate Outbreak of *Listeria monocytogenes* Infection Linked to Delicatessen Turkey Meat." *Clin. Infect. Dis.* 40 (2005): 962-967. PubMed: 15824987.
3. Orsi, R. H., et al. "Short-term Genome Evolution of *Listeria monocytogenes* in a Non-Controlled Environment." *BMC Genomics* 9 (2008): 539. PubMed: 19014550.

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