

Genomic DNA from *Listeria monocytogenes*, Strain FSL J2-003

Catalog No. NR-13351

For research use only. Not for human use.

Contributor:

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Product Description:

Genomic DNA was obtained from a preparation of *Listeria monocytogenes* (*L. monocytogenes*), strain FSL J2-003. *L. monocytogenes*, strain FSL J2-003 was isolated from an aborted bovine fetus in New York, 1993.¹

The complete genome of *L. monocytogenes*, strain FSL J2-003 has been drafted (GenBank: AARM00000000).² For more sequencing information, refer to the Broad Institute's [Listeria Genome Project](#).

NR-13351 has been qualified for PCR applications by amplification of approximately 1500 bp of the 16S ribosomal RNA.

Material Provided:

Each vial contains 4 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-13351 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 *Listeria monocytogenes*, Strain FSL J2-003, NR-13351."

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.

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References:

1. Dr. Patrick McDonough, personal communication.
2. Glaser, P., et al. "Comparative Genomics of *Listeria* Species." *Science* 294 (2001): 849-852. PubMed: 11679669. GenBank: AARM00000000.
3. Hain, T., C. Steinweg, and T. Chakraborty. "Comparative and Functional Genomics of *Listeria* Spp." *J. Biotechnol.* 126 (2006): 37-51. PubMed: 16757050.
4. Liu, D., et al. "Characterization of Virulent and Avirulent *Listeria monocytogenes* Strains by PCR Amplification of Putative Transcriptional Regulator and Internalin Genes." *J. Med. Microbiol.* 52 (2003): 1065-1070. PubMed: 14614064.
5. Milillo, S. R., J. M. Badamo and M. Wiedmann. "Contributions to Selected Phenotypic Characteristics of Large Species- and Lineage-specific Genomic Regions in *Listeria monocytogenes*." *Food Microbiol.* 26 (2009): 212-223. PubMed: 19171265.

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