

Genomic DNA from *Listeria monocytogenes*, Strain Li 20

Catalog No. NR-4210

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 Li 20.

L. monocytogenes is a Gram-positive, facultative intracellular bacterium that is extremely tolerant of external stresses. *L. monocytogenes* encompasses a diversity of strains with varied virulence and pathogenic potential. Li 20 is a serotype 1/2a strain, one of the serotypes frequently associated with human listeriosis. Li 20 was originally isolated from poultry in England.

NR-4210 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-4210 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 Li 20, NR-4210."

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/bmb15/bmb15toc.htm.

Disclaimers:

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References:

1. Liu, D., et al. "Toward an Improved Laboratory Definition of *Listeria monocytogenes* Virulence." [Int. J. Food Microbiol.](#) 118 (2007): 101-115. PubMed: 17727992.
2. Hain, T., C. Steinweg, and T. Chakraborty. "Comparative and Functional Genomics of *Listeria* Spp." [J. Biotechnol.](#) 126 (2006): 37-51. PubMed: 16757050.
3. Glaser, P., et al. "Comparative Genomics of *Listeria* Species." [Science](#) 294 (2001): 849-852. PubMed: 11679669.
4. Unnerstad, H., et al. "Division of *Listeria monocytogenes* Serovar 1/2a Strains into Two Groups by PCR and Restriction Enzyme Analysis." [Appl. Environ. Microbiol.](#) (1999): 2054-2056. PubMed: 10224000.

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