

Genomic DNA from *Salmonella enterica* subsp. *enterica*, Strain LT2

Catalog No. NR-4218

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Contributor:

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Product Description:

Genomic DNA was isolated from a preparation of *Salmonella enterica* subsp. *enterica*, strain LT2, serovar Typhimurium.

Salmonella enterica (*S. enterica*) subsp. *enterica*, strain LT2, serovar Typhimurium causes a typhoid-like disease in mouse and gastroenteritis in humans. The complete genome for *S. enterica* subsp. *enterica*, strain LT2 has been sequenced (GenBank: AE006468).¹

NR-4218 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 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-4218 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 *Salmonella enterica* subsp. *enterica*, Strain LT2, NR-4218.”

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. McClelland, M., et al. “Complete Genome Sequence of *Salmonella enterica* Serovar Typhimurium LT2.” *Nature* 413 (2001): 852–856. PubMed: 11677609. GenBank: AE006468.
2. Porwollik, S., et al. “DNA Amplification and Rearrangements in Archival *Salmonella enterica* Serovar Typhimurium LT2 Cultures.” *J. Bacteriol.* 186 (2004): 1678–1682. PubMed: 14996798.

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