

Genomic DNA from *Salmonella enterica* subsp. *enterica*, Strain DT4 (LT2)**Catalog No. NR-15234****For research use only. Not for human use.****Contributor:**

Professor Michael McClelland, Ph.D., Sidney Kimmel Cancer Center, San Diego, California

Product Description:

Genomic DNA was obtained from a preparation of *Salmonella enterica* (*S. enterica*) subsp. *enterica*, strain DT4 (LT2).

S. enterica subsp. *enterica* serovar Typhimurium, strain LT2 was isolated in the 1940s by Lilleengen and typed based on phage sensitivity.¹ The complete genome for *S. enterica* subsp. *enterica* serovar Typhimurium, strain LT2 has been sequenced (GenBank: AE006468) and is known to contain a plasmid, pSLT (GenBank: AE006471), that encodes supplementary virulence factors.²

NR-15234 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-15234 was packaged aseptically, in screw-capped plastic cryovials. The product is provided frozen 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 DT4 (LT2), NR-15234."

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. Lilleengen, K. "Typing *Salmonella typhimurium* by Means of Bacteriophage." Acta Pathol. Microbiol. Scand. Suppl. 77 (1948): 11-125.
2. McClelland, M., et al. "Complete Genome Sequence of *Salmonella enterica* Serovar Typhimurium LT2." Nature 413 (2001): 852-856. PubMed: 11677609.
3. Porwollik, S., et al. "DNA Amplification and Rearrangements in Archival *Salmonella enterica* Serovar Typhimurium LT2 Cultures." J. Bacteriol. 186 (2004): 167811682. PubMed: 14996798.

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