Genomic DNA from *Salmonella enterica* subsp. *enterica*, Strain LS1001

**Catalog No. NR-4622**

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

**Contributor:**
National Institute of Allergy and Infectious Diseases, National Institutes of Health

**Product Description:**
Genomic DNA was obtained from a preparation of *Salmonella enterica* (*S. enterica*) subsp. *enterica*, strain LS1001, a derivative of strain 14028 which was isolated from chickens.1 S. enterica subsp enterica, strain LS1001 contains pkD46, a temperature sensitive plasmid expressing λ Red recombinase, and is ampicillin resistant.2,3 Additional information is available at the Resource Center for Biodefense Proteomics Research (BPRC).

The complete genome sequence of several strains of *S. enterica* subsp. *enterica* serovar Typhimurium are in progress [strain DT104 (Definitive Type 104; a multidrug resistant strain), strain SL1344 (a genetically marked subline of a calf-virulent isolate), and strain TR7095 (a wild-type strain)] and strain LT2 has been completed (GenBank: AE006468).4 NR-4622 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-4622 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 LS1001, NR-4622.”

**Biosafety Level:**
1


**Disclaimers:**
You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at www.beiresources.org.

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government make any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

**Use Restrictions:**
This material is distributed for internal research, non-commercial purposes only. This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale.

**References:**

ATCC® is a trademark of the American Type Culture Collection.

---

**Biodefense and Emerging Infections Research Resources Repository**

P.O. Box 4137
Manassas, VA 20108-4137 USA

www.beiresources.org

© 2009 American Type Culture Collection (ATCC). All rights reserved.