

Genomic DNA from *Salmonella enterica* subsp. *enterica*, 2004 Pennsylvania Tomato Outbreak, Serovar Muenchen, Isolate 4

Catalog No. NR-4595

For research use only. Not for human use.

Contributor:

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Product Description:

Genomic DNA was obtained from a preparation of *Salmonella enterica* (*S. enterica*) subsp. *enterica* serovar Muenchen that was isolated from the stool of a patient with diarrhea during the 2004 *Salmonella* outbreak in Pennsylvania.^{1,2}

S. enterica subsp. *enterica* serovar Muenchen is found in domestic and wild animals and is generally spread to humans via consumption of contaminated water or food resulting in gastroenteritis.

NR-4595 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-4595 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*, 2004 Pennsylvania Tomato Outbreak, Serovar Muenchen, Isolate 4, NR-4595."

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. Sandt, C. H., et al. "The Key Role of Pulsed-Field Gel Electrophoresis in Investigation of a Large Multiserotype and Multistate Food-Borne Outbreak of *Salmonella* Infections Centered in Pennsylvania." J. Clin. Microbiol. 44 (2006): 3208-3212. PubMed: 16954249.
2. Centers for Disease Control and Prevention (CDC). "Outbreaks of *Salmonella* Infections Associated with Eating Roma Tomatoes--United States and Canada, 2004." Morb. Mortal. Wkly. Rep. 54 (2005): 325-328. PubMed: 15815562.

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