

Genomic DNA from *Salmonella enterica* subsp. *enterica*, Strain Ty2 (Serovar Typhi)

Catalog No. NR-543

For research use only. Not for human use.

Contributor:
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Manufacturer:
BEI Resources

Product Description:

Genomic DNA was obtained from a preparation of *Salmonella enterica* (*S. enterica*) subsp. *enterica*, strain Ty2 (serovar Typhi).

S. enterica subsp. *enterica*, strain Ty2 (serovar Typhi) was isolated in 1918 during a typhoid epidemic in Cherson, Russia.¹ The complete genome of the highly virulent Ty2 strain has been sequenced (GenBank: [AE014613](#)).²

NR-543 has been qualified for PCR applications by amplification of approximately 1500 base pairs of the 16S ribosomal RNA gene.

Material Provided:

Each vial contains 0.7 µg to 1.5 µg of bacterial genomic DNA in TE buffer (10 mM Tris-HCl and 1 mM EDTA, pH ~ 8). The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-543 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 BEI Resources, NIAID, NIH: Genomic DNA from *Salmonella enterica* subsp. *enterica*, Strain Ty2 (Serovar Typhi), NR-543."

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, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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References:

1. Craigie, J. "Arthur Felix 1887-1956." *Biogr. Mem. Fellows R. Soc.* 3 (1957): 53-79.
2. Deng, W., et al. "Comparative Genomics of *Salmonella enterica* Serovar Typhi Strains Ty2 and CT18." *J. Bacteriol.* 185 (2003): 2330-2337. PubMed: 12644504.

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