

Genomic DNA from *Staphylococcus aureus*, Strain LGA251

Catalog No. NR-51366

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Genomic DNA was extracted from a preparation of *Staphylococcus aureus* (*S. aureus*), strain LGA251.

S. aureus, strain LGA251 was isolated in 2007 from a bulk milk sample taken from a cow dairy farm in Somerset, England, United Kingdom.^{1,2} The complete genome of *S. aureus*, strain LGA251 has been sequenced (GenBank: [FR821779.1](https://www.ncbi.nlm.nih.gov/nuccore/FR821779.1)).²

NR-51366 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 to 1.5 µg of bacterial genomic DNA in TE buffer (10 mM Tris-HCl and 1 mM EDTA, pH ~ 8.0). The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-51366 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 provided by the Network on Antimicrobial Resistance in *Staphylococcus aureus* (NARSA) for distribution by BEI Resources, NIAID, NIH: Genomic DNA from *Staphylococcus aureus*, Strain LGA251, NR-51366.”

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. Davis, M. F., Personal Communication.
2. García-Álvarez, L., et al. “Methicillin-Resistant *Staphylococcus aureus* with a Novel *mecA* Homologue in Human and Bovine Populations in the UK and Denmark: A Descriptive Study.” Lancet Infect. Dis. 11 (2011): 595-603. PubMed: 21641281.

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