

Genomic DNA from *Staphylococcus aureus*, Strain MRSA131

Catalog No. HM-466D

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 *Staphylococcus aureus* (*S. aureus*), strain MRSA131. Note: The HMP material used for DNA extraction was taxonomically classified by the depositor. Quality control of HMP organisms is only performed to demonstrate that the material produced by BEI Resources is identical to the deposited material.

S. aureus, strain MRSA131 was isolated from the skin of a patient with a soft tissue infection in Villavicencio, Colombia.^{1,2}

S. aureus, strain MRSA131 is a community-associated methicillin-resistant *S. aureus* (MRSA) strain based on multilocus sequence typing.² *S. aureus*, strain MRSA131 ([HMP ID 9528](#)) is a reference genome for [The Human Microbiome Project](#) (HMP). HMP is an initiative to identify and characterize human microbial flora. The complete genome of *S. aureus*, strain MRSA131 is currently being sequenced at the [Washington University Genome Center](#) (GenBank: [AECR00000000](#)).

HM-466D has been qualified for PCR applications by amplification of approximately 1500 bp 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:

HM-466D 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 BEI Resources, NIAID, NIH as part of the Human Microbiome Project: Genomic DNA from *Staphylococcus aureus*, Strain MRSA131, HM-466D.”

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 <http://www.cdc.gov/biosafety/publications/bmb15/index.htm>.

Disclaimers:

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References:

1. [HMP ID 9528](#) (*S. aureus*, strain MRSA131)
2. Arias, C. A., et al. “MRSA USA300 Clone and VREF-A U.S.-Colombian Connection?” *N. Engl. J. Med.* 359 (2008): 2177-2179. PubMed: 19005205.

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