

Genomic DNA from *Staphylococcus aureus*, Strain HFH-29568

Catalog No. NR-10314

For research use only. Not for human use.

Contributor:

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Product Description:

Genomic DNA was obtained from a preparation of *Staphylococcus aureus* (*S. aureus*), strain HFH-29568 which was isolated from human skin in Michigan, 2003.¹

S. aureus, strain HFH-29568 is a community associated methicillin-resistant *S. aureus* (MRSA) strain and has been pulse-field gel electrophoresis (PFGE) typed as USA300 and is positive for the Panton-Valentine leucocidin virulence factor. *S. aureus*, strain HFH-29568 contains staphylococcal chromosome cassette *mec* type IV a.¹

NR-10314 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-10314 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 *Staphylococcus aureus*, Strain HFH-29568, NR-10314."

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/bmbl5/bmbl5toc.htm.

Disclaimers:

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References:

1. Marcus Zervos, personal communication.
2. Davis, S. L., et al. "Epidemiology and Outcomes of Community-Associated Methicillin-Resistant *Staphylococcus aureus* Infection." *J. Clin. Microbiol.* 45 (2007): 1705-1711. PubMed: 17392441.
3. [Todar's Online Textbook of Bacteriology](http://www.todarsonline.com/bacteriology/)

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