

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

Catalog No. NR-10314

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 in 2003.

Lot¹: 58730628

Manufacturing Date: 29JUL2009

TEST	SPECIFICATIONS	RESULTS
Sequencing of 16S Ribosomal RNA Gene (~ 1420 bp)	Consistent with <i>S. aureus</i>	Consistent with <i>S. aureus</i>
Agarose Gel Electrophoresis	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
Concentration by PicoGreen[®] Measurement	4 to 6 µg in 25 to 100 µL per vial	6.3 µg in 27 µL per vial (232 µg/mL) ²
Functional Activity by PCR Amplification 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
OD₂₆₀/OD₂₈₀ Ratio	1.7 to 1.9	1.8
Bacterial Inactivation 10% of total yield plated on Tryptic Soy Agar with 5% sheep blood ^{3,4}	No viable bacteria detected	No viable bacteria detected

¹The bacterial preparation used for extraction of genomic DNA was produced by Brain Heart Infusion culture of the deposited material. After incubation for 24 hours at 37°C and aerobic atmosphere, genomic DNA was extracted using proprietary technology.

²The µg of DNA in the vials is greater than required by current specifications

³7 days at 37°C in an aerobic atmosphere.

⁴An extraction procedure was used that has been shown to consistently inactivate 100% of Gram-positive bacteria.

Date: 24 MAY 2010

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

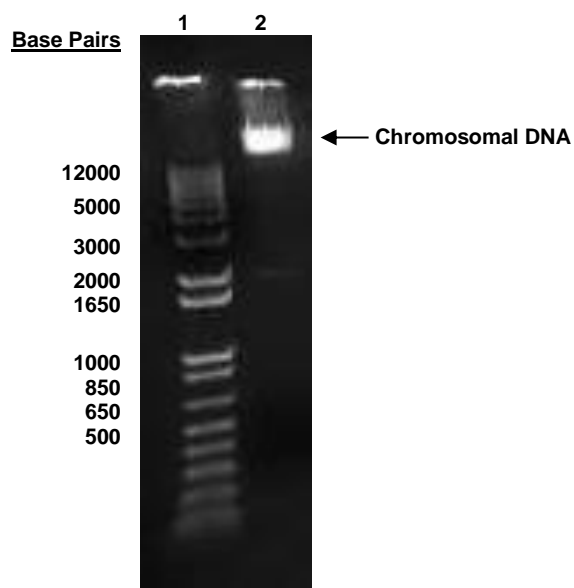
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Figure 1



Lane 1: Invitrogen™ TrackIt 1 Kb Plus DNA Ladder™
Lane 2: 200 ng of NR-10314