

Genomic DNA from *Staphylococcus aureus*, Strain HFH-30495

Catalog No. NR-10319

Product Description: Genomic DNA was obtained from a preparation of *Staphylococcus aureus* (*S. aureus*), strain HFH-30495 which was isolated from human skin in Michigan, 2004.

Lot¹: 58730632

Manufacturing Date: 09OCT2009

TEST	SPECIFICATIONS	RESULTS
Sequencing of 16S Ribosomal RNA Gene (~ 1390 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	6.2 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	1.9
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-negative and Gram-positive bacteria.

Date: 25 JUN 2010

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

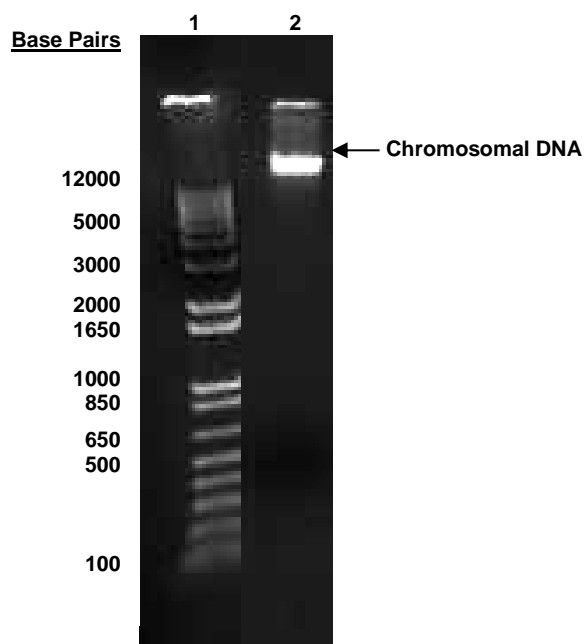
ATCC[®], on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC[®]'s knowledge.

ATCC[®] is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.



Figure 1



Lane 1: Invitrogen™ TrackIt 1 Kb Plus DNA Ladder™
Lane 2: 200 ng of NR-10319