

Genomic DNA from *Staphylococcus aureus*, Strain TCH1516

Catalog No. NR-12252

Product Description: Genomic DNA was obtained from a preparation of *Staphylococcus aureus* (*S. aureus*), strain TCH1516 which was isolated from Texas.

Lot¹: 58986250

Manufacturing Date: 15JAN2010

| TEST | SPECIFICATIONS | RESULTS |
|--|---------------------------------------|--|
| Sequencing of 16S Ribosomal RNA Gene (1480 base pairs) | 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 | 4.4 µg in 54 µL per vial (82 µg/mL) |
| 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 ^{2,3} | 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 in an aerobic atmosphere, genomic DNA was extracted using proprietary technology.

²7 days at 37°C in an aerobic atmosphere

³An extraction procedure was used that has been shown to consistently inactivate 100% of Gram-negative and Gram-positive bacteria.

Date: 22 APR 2011

Signature:



Title:

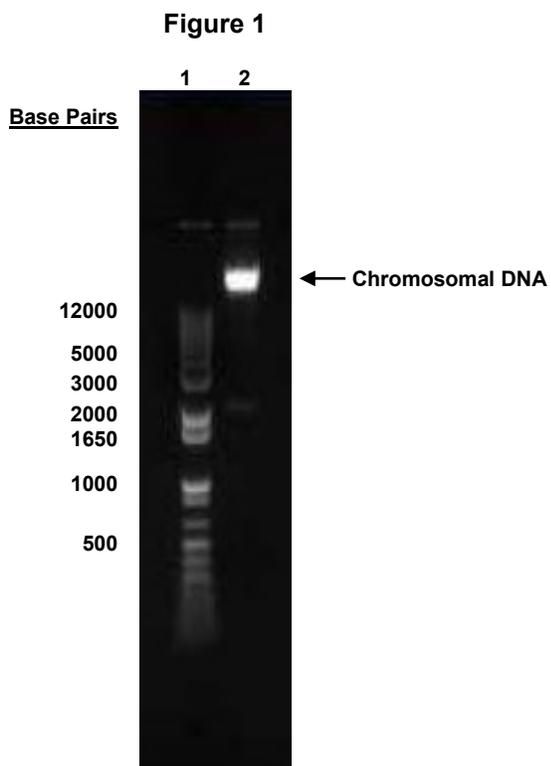
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Lane 1: Invitrogen™ TrackIt 1 Kb Plus DNA Ladder™
Lane 2: 200 ng of NR-12252