

**Genomic DNA from *Staphylococcus aureus*, Strain S0385**

**Catalog No. NR-51352**

**Product Description:** Genomic DNA was extracted from a preparation of *Staphylococcus aureus* (*S. aureus*), strain S0385.

**Lot<sup>1</sup>: 70018049**

**Manufacturing Date: 17SEP2018**

TEST	SPECIFICATIONS	RESULTS
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1490 base pairs)	≥ 99% sequence identity to <i>S. aureus</i> , strain S0385 (GenBank: AM990992.1)	100% sequence identity to <i>S. aureus</i> , strain S0385 (GenBank: AM990992.1) <sup>2</sup>
<b>Agarose Gel Electrophoresis</b>	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
<b>Concentration by PicoGreen® Measurement</b>	0.7 to 1.5 µg in 25 to 100 µL per vial	1.1 µg in 35 µL per vial (31 µg/mL)
<b>Amount per vial</b>	0.7 to 1.5 µg	1.1 µg
<b>Functional Activity by PCR Amplification</b> 16S ribosomal RNA gene	~ 1500 base pair amplicon	~ 1500 base pair amplicon
<b>OD<sub>260</sub>/OD<sub>280</sub> Ratio</b>	1.7 to 2.1	1.9
<b>Bacterial Inactivation</b> 10% of total yield plated on agar <sup>3,4</sup>	No viable bacteria detected	No viable bacteria detected

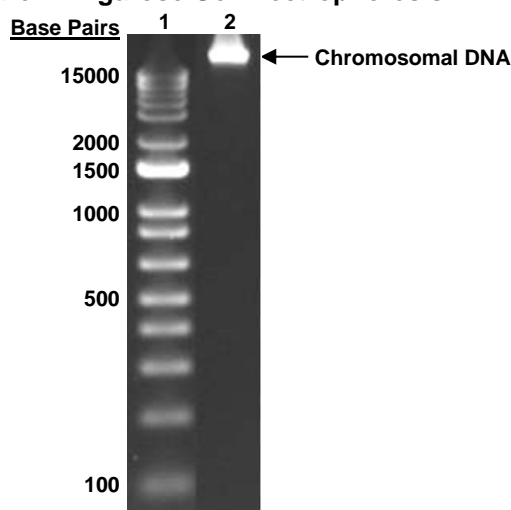
<sup>1</sup>The bacterial preparation used for extraction of genomic DNA was produced by culture of BEI Resources NR-28983 lot 63447978. Genomic DNA was extracted using proprietary technology.

<sup>2</sup>Also consistent with other *Staphylococcus* species

<sup>3</sup>14 days at 37°C in an aerobic atmosphere on Tryptic Soy agar

<sup>4</sup>An extraction procedure was used that has been shown to consistently inactivate 100% of Gram-positive and Gram-negative bacteria.

**Figure 1: Agarose Gel Electrophoresis**



Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder  
Lane 2: 200 ng of NR-51352

/Heather Couch/

Heather Couch

08 APR 2019

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