

***Staphylococcus aureus*, Strain Sa1263**

**Catalog No. NR-51348**

**Product Description:** *Staphylococcus aureus* (*S. aureus*), strain Sa1263 was isolated in 2005 from the bloodstream of a patient with septicemia in Helsinki, Finland. *S. aureus*, strain Sa1263 is known to spontaneously produce bacteriophage phi\_3244S/Sa1263.

**Lot<sup>1</sup>: 70017006**

**Manufacturing Date: 05JUL2018**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>2</sup>  Motility (wet mount) Hemolysis <sup>3</sup> Biochemical characterization: Catalase VITEK <sup>®</sup> MS (MALDI-TOF)	Gram-positive cocci Report results  Report results Report results  Positive <i>S. aureus</i>	Gram-positive cocci Circular, convex, entire, opaque and white (Figure 1) Non-motile Non-hemolytic <sup>4</sup>  Positive <i>S. aureus</i> (99.9%)
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1450 base pairs)	≥ 99% sequence identity to <i>S. aureus</i> type strain (GenBank: L37597)	100% sequence identity to <i>S. aureus</i> type strain (GenBank: L37597) <sup>5</sup>
<b>Purity (post-freeze)<sup>6</sup></b>	Consistent with expected colony morphology	Consistent with expected colony morphology
<b>Viability (post-freeze)<sup>2</sup></b>	Growth	Growth

<sup>1</sup>NR-51348 was produced by inoculation of BEI Resources HMC-667 lot 59773837 into Brain Heart Infusion broth and grown 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles, which were grown for 2 days at 37°C in an aerobic atmosphere to produce this lot.

<sup>2</sup>1 day at 37°C in an aerobic atmosphere on Brain Heart Infusion agar

<sup>3</sup>1 day at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

<sup>4</sup>Limited β-hemolysis was observed after 2 days

<sup>5</sup>Also consistent with other *Staphylococcus* species

<sup>6</sup>Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> on Brain Heart Infusion agar.

**Figure 1: Colony Morphology**



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20 NOV 2018

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