

Certificate of Analysis for NR-51348

Staphylococcus aureus, Strain Sa1263

Catalog No. NR-51348

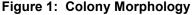
Product Description: *Staphylococcus aureus (S. aureus)*, strain Sa1263 was isolated in 2005 from the bloodstream of a patient with septicemia in Helsinki, Finland. *S. aureus*, strain Sa1263 is known to spontaneously produce bacteriophage phi 3244S/Sa1263.

Lot¹: 70017006 Manufacturing Date: 05JUL2018

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

¹NR-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.

⁶Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO₂ on Brain Heart Infusion agar.





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²1 day at 37°C in an aerobic atmosphere on Brain Heart Infusion agar

³1 day at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

⁴Limited β-hemolysis was observed after 2 days

⁵Also consistent with other Staphylococcus species



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/Heather Couch/ Heather Couch

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Program Manager or designee, ATCC Federal Solutions

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