

Genomic DNA from *Staphylococcus aureus*, Strain MN8

Catalog No. HM-162D

Product Description:

Genomic DNA was extracted from a preparation of *Staphylococcus aureus* (*S. aureus*), strain MN8, which was isolated from the vagina of a toxic shock syndrome (TSS) patient. The bacterial preparation used for extraction of genomic DNA was produced by culture of the BEI Resources lot 58954305. Genomic DNA was extracted using proprietary technology and is provided in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 8).

Note: Quality control of HMP organisms used for DNA extraction is only performed to demonstrate that the material produced by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

Lot: 70064252

Manufacturing Date: 12JAN2024

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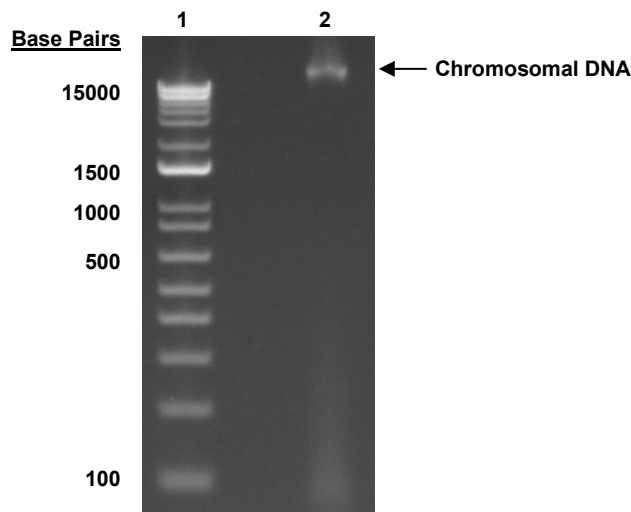
TEST	SPECIFICATIONS	RESULTS
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1460 base pairs)	≥ 99% sequence identity to <i>S. aureus</i> , strain MN8 (GenBank: ACJA02000002.1)	99.9% sequence identity to <i>S. aureus</i> , strain MN8 (GenBank: ACJA02000002.1)
Agarose Gel Electrophoresis	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
Concentration by PicoGreen® Measurement	0.7 µg to 1.5 µg in 25 µL to 100 µL/vial	1.1 µg in 32 µL/vial (34 µg/mL)
Amount per Vial	0.7 µg to 1.5 µg	1.1 µg
Functional Activity by PCR Amplification 16S ribosomal RNA gene	~ 1500 base pair amplicon	~ 1500 base pair amplicon
OD₂₆₀/OD₂₈₀ Ratio	1.7 to 2.1	1.9
Bacterial Inactivation 10% of total yield plated on agar ^{1,2}	No viable bacteria detected	No viable bacteria detected

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

²An extraction procedure was used that has been shown to consistently inactivate 100% of Gram-positive and Gram-negative bacteria.

Certificate of Analysis for HM-162D

Figure 1: Agarose Gel Electrophoresis



Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder

Lane 2: 200 ng of HM-162D

/Sonia Bjorum Brower/

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Technical Manager or designee, ATCC Federal Solutions

04 JUN 2025

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