

Genomic DNA from *Neisseria meningitidis*, Strain 2007056

Catalog No. NR-48804

Product Description:

Genomic DNA was obtained from a preparation of *Neisseria meningitidis* (*N. meningitidis*), strain 2007056, which was isolated in 2007 from an infected patient in Burkina Faso. *N. meningitidis*, strain 2007056 was deposited as a member of serogroup A. The bacterial preparation used for extraction of genomic DNA was produced by culture of BEI Resources NR-32116 lot 62778968. Genomic DNA was extracted using proprietary technology and is provided in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH ~ 8).

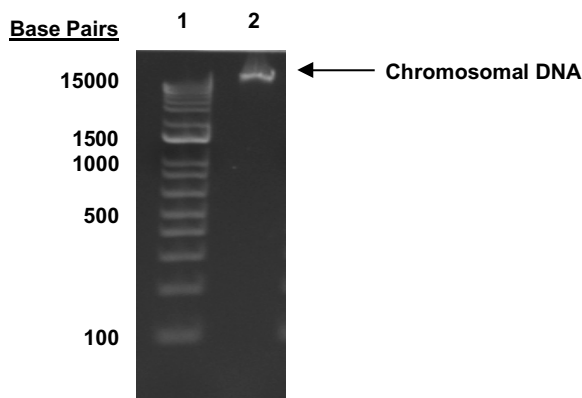
Lot: 70061221

Manufacturing Date: 11JUL2023

TEST	SPECIFICATIONS	RESULTS
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1470 base pairs)	≥ 99% sequence identity to <i>N. meningitidis</i> , strain 2007056 (GenBank: ANSE0100004.1)	100% sequence identity to <i>N. meningitidis</i> , strain 2007056 (GenBank: ANSE0100004.1)
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	1.2 µg in 29.3 µL/vial (41 µg/mL)
Amount per Vial	0.7 to 1.5 µg	1.2 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 for 14 days at 37°C in an anaerobic atmosphere on Chocolate agar ¹	No viable bacteria detected	No viable bacteria detected

¹An extraction procedure was used that has been shown to consistently inactivate 100% of Gram-negative and Gram-positive bacteria.

Figure 1: Agarose Gel Electrophoresis



Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder
Lane 2: ~ 200 ng of NR-48804

/Sonia Bjorum Brower/

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19 JUN 2025

Technical Manager or designee, ATCC Federal Solutions

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