

Genomic DNA from *Streptococcus salivarius*, Strain SK126

Catalog No. HM-121D

Product Description:

Genomic DNA was extracted from a preparation of *Streptococcus salivarius* (*S. salivarius*), strain SK126. The bacterial preparation used for extraction of genomic DNA was produced by culture of BEI Resources HM-121 seed lot. Genomic DNA was extracted using proprietary technology and is provided in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 8.0).

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: 70039252

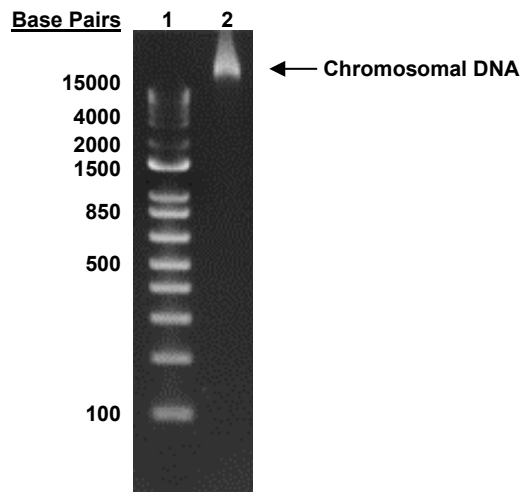
Manufacturing Date: 09MAR2021

TEST	SPECIFICATIONS	RESULTS
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1490 base pairs)	≥ 99% sequence identity to <i>S. salivarius</i> , strain SK126 (GenBank: ACLO01000035.1)	99.9% sequence identity to <i>S. salivarius</i> , strain SK126 (GenBank: ACLO01000035.1)
Agarose Gel Electrophoresis	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
Concentration by PicoGreen® Measurement	0.7 to 1.5 µg in 25 to 100 µL per vial	1.0 µg in 32 µL per vial (31 µg per mL)
Amount per Vial	0.7 to 1.5 µg	1.0 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	1.8
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 5% CO₂ on Tryptic Soy agar with 5% sheep's blood

²An 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 HM-121D

/Heather Couch/
Heather Couch

Program Manager or designee, ATCC Federal Solutions

14 APR 2021

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