

Genomic DNA from *Streptococcus mitis*, Strain F0392

Catalog No. HM-262D

Product Description: Genomic DNA was obtained from a preparation of *Streptococcus mitis* (*S. mitis*), strain F0392, biovar 2 which was isolated from a human oral cavity.

Lot¹: 59476596

Manufacturing Date: 08NOV2010

TEST	SPECIFICATIONS	RESULTS
Sequencing of 16S Ribosomal RNA Gene (1400 base pairs)	≥ 99% identical to depositor's sequence Consistent with <i>S. mitis</i>	≥ 99% identical to depositor's sequence Consistent with <i>S. mitis</i>
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	0.8 µg in 27 µL per vial (29 µg/mL)
Functional Activity by PCR Amplification 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
OD₂₆₀/OD₂₈₀ Ratio	1.7 to 2.0	2.0
Bacterial Inactivation 10% of total yield plated on Tryptic Soy Agar with 5% defibrinated sheep blood ^{2,3}	No viable bacteria detected	No viable bacteria detected

¹The bacterial preparation used for extraction of genomic DNA was produced by Tryptic Soy Broth culture of the deposited material. After incubation for 24 hours at 37°C in an aerobic atmosphere, genomic DNA was extracted using proprietary technology.

²7 days at 37°C in an aerobic atmosphere

³An extraction procedure was used that has been shown to consistently inactivate 100% of Gram-positive and Gram-negative bacteria.

Date: 13 APR 2011

Signature:



Title: Technical Manager, BEI Authentication or designee

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