

**Genomic DNA from *Streptococcus anginosus*, Strain F0211**

**Catalog No. HM-282D**

**Product Description:** Genomic DNA was obtained from a preparation of *Streptococcus anginosus* (*S. anginosus*), strain F0211.

**Lot<sup>1</sup>: 59476598**

**Manufacturing Date: 24SEP2010**

TEST	SPECIFICATIONS	RESULTS
<b>Sequencing of 16S Ribosomal RNA Gene (~ 1410 base pairs)</b>	≥ 99% identical to depositor's sequence Consistent with <i>S. anginosus</i>	≥ 99% identical to depositor's sequence Consistent with <i>S. anginosus</i>
<b>Agarose Gel Electrophoresis</b>	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
<b>Concentration by PicoGreen<sup>®</sup> Measurement</b>	0.7 to 1.5 µg in 25 to 100 µL per vial	0.8 µg in 85 µL per vial (9.2 µg/mL)
<b>Functional Activity by PCR Amplification</b> 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
<b>OD<sub>260</sub>/OD<sub>280</sub> Ratio</b>	1.7 to 1.9	1.7
<b>Bacterial Inactivation</b> 5% of total yield plated on Brain Heart Infusion Agar <sup>2,3</sup>	No viable bacteria detected	No viable bacteria detected

<sup>1</sup>The 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 with 5% CO<sub>2</sub>, genomic DNA was extracted using proprietary technology.

<sup>2</sup>7 days at 37°C in an aerobic atmosphere

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

**Date:** 06 DEC 2010

**Signature:**



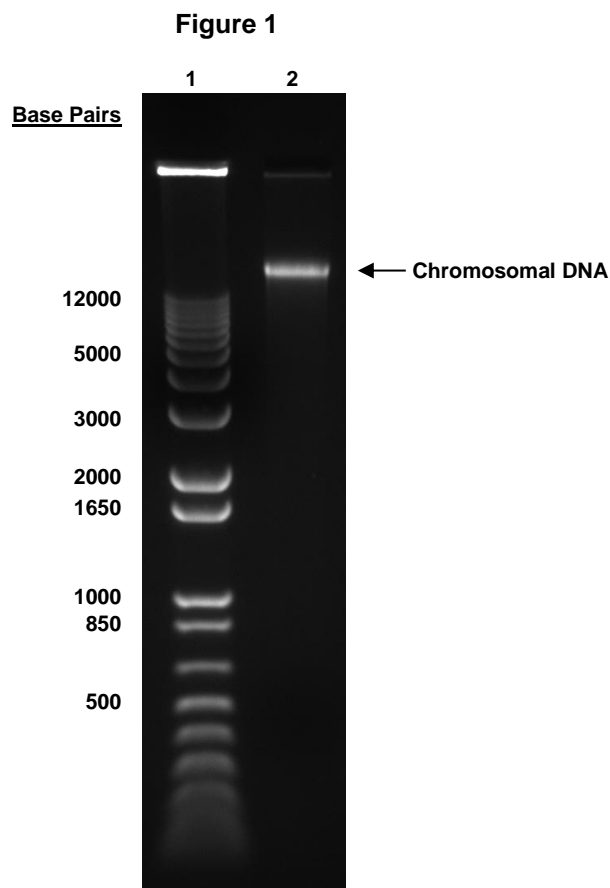
**Title:** Technical Manager, BEI Authentication or designee

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Lane 1: Invitrogen™ TrackIt 1 Kb Plus DNA Ladder™  
Lane 2: 200 ng of HM-282D