

Genomic DNA from *Prevotella melaninogenica*, Strain D18

Catalog No. HM-80D

Product Description: Genomic DNA was obtained from a preparation of *Prevotella melaninogenica* (*P. melaninogenica*), strain D18 (also referred to as 4_A_2).

Lot^{1,2}: 64073488

Manufacturing Date: 14MAR2016

TEST	SPECIFICATIONS	RESULTS
Sequencing of 16S Ribosomal RNA Gene (~1440 base pairs)	≥ 99% identical to Genbank: ACWY01000141 (<i>P. melaninogenica</i> , strain D18)	≥ 99% identical to Genbank ACWY01000141 (<i>P. melaninogenica</i> , strain D18)
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	1.1 µg in 24 µL per vial ³ (45 µg/mL)
Functional Activity by PCR Amplification 16S ribosomal RNA gene	~ 1500 base pair amplicon	~ 1500 base pair amplicon
OD₂₆₀/OD₂₈₀ Ratio	1.7 to 2.0	1.9
Bacterial Inactivation 10% of total yield plated on Tryptic Soy Agar with 5% defibrinated sheep blood ^{4,5}	No viable bacteria detected	No viable bacteria detected

¹Quality 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.

²The bacterial preparation used for extraction of genomic DNA was produced by culture of BEI Resources HM-80 (Lot 60486667). Genomic DNA was extracted using proprietary technology.

³The volume of the material is slightly less than current specification, but there is still the required amount (µg) of material in the vial.

⁴14 days at 37°C in an anaerobic atmosphere

⁵An extraction procedure was used that has been shown to consistently inactivate 100% of Gram-positive and Gram-negative bacteria.

Date: 29 JUN 2016

Signature:



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Figure 1: Agarose Gel Electrophoresis

