

Certificate of Analysis for HM-173D

Genomic DNA from *Clostridium innocuum*, Strain 6_1_30

Catalog No. HM-173D

Product Description: Genomic DNA was extracted from a preparation of *Clostridium innocuum* (*C. innocuum*), strain 6_1_30.

Lot^{1,2}: 59476600

Manufacturing Date: 29SEP2010

TEST	SPECIFICATIONS	RESULTS
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 630 base pairs)	≥ 99% sequence identity to <i>C. innocuum</i> type strain (GenBank: M23732.2)	97.9% sequence identity to <i>C. innocuum</i> type strain (GenBank: M23732.2) ³
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 47 µL per vial (25 µg/mL)
Amount per vial	0.7 to 1.5 µg	1.1 µg
Functional Activity by PCR Amplification 16S ribosomal RNA gene	~ 1500 base pair amplicon	~ 1500 base pair amplicon
OD₂₆₀/OD₂₈₀ Ratio	1.7 to 1.9	1.9
Bacterial Inactivation 10% of total yield plated on agar ^{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.

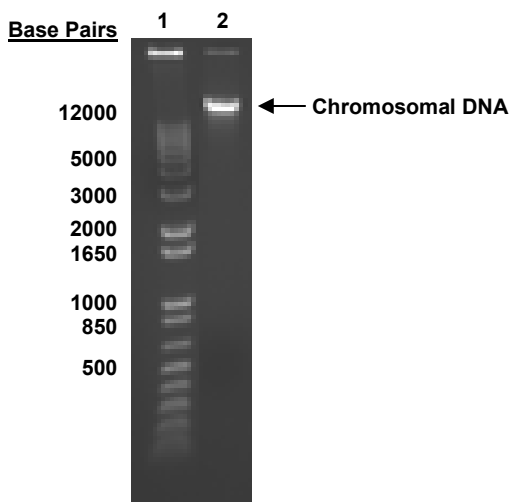
²The bacterial preparation used for extraction of genomic DNA was produced by culture of the deposited material. Genomic DNA was extracted using proprietary technology.

³*C. innocuum*, strain 6_1_30 has a ≥ 99% sequence identity to other *C. innocuum* strains.

⁴7 days at 37°C in an anaerobic atmosphere (80% N₂:10% CO₂:10% H₂) on Tryptic Soy agar with 5% defibrinated sheep blood

⁵An 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-173D

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/Heather Couch/

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28 NOV 2018

Program Manager or designee, ATCC Federal Solutions

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