

Certificate of Analysis for HM-308D

Genomic DNA from *Clostridium hathewayi*, Strain WAL-18680

Catalog No. HM-308D

Product Description: Genomic DNA was obtained from a preparation of *Clostridium hathewayi* (*C. hathewayi*), strain WAL-18680.

Lot^{1,2}: 59925960

Manufacturing Date: 08AUG2011

TEST	SPECIFICATIONS	RESULTS
Sequencing of 16S Ribosomal RNA Gene (~ 1400 base pairs)	≥ 99% identical to GenBank: ADLN01000129 (<i>C. hathewayi</i> , strain WAL-18680)	≥ 99% identical to GenBank: ADLN01000129 (<i>C. hathewayi</i> , strain WAL-18680)
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	0.9 µg in 39 µL per vial (24 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	1.8
Bacterial Inactivation 10% of total yield plated on Tryptic Soy Agar with 5% defibrinated sheep blood ^{3,4}	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 Modified Reinforced Clostridial Broth (ATCC medium 2107) culture of the deposited material. After incubation for 48 hours at 37°C and anaerobic atmosphere (80% N₂:10% CO₂:10% H₂), genomic DNA was extracted using proprietary technology.

³7 days at 37°C and anaerobic atmosphere

⁴An extraction procedure was used that has been shown to consistently inactivate 100% of Gram-positive and Gram-negative bacteria.

Date: 09 JAN 2012

Signature:



Title:

Technical Manager, BEI Authentication or designee

ATCC[®], on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by ATCC[®] to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC[®]'s knowledge.

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