

Genomic DNA from *Clostridium botulinum*, Strain Walls 8G (VPI 4404)

Catalog No. NR-2713

Product Description: Genomic DNA was isolated from a preparation of *Clostridium botulinum* (*C. botulinum*), strain Walls 8G (VPI 4404, BL 4851), serotype F (proteolytic).

Lot¹: 7398284

Manufacturing Date: 14AUG2008

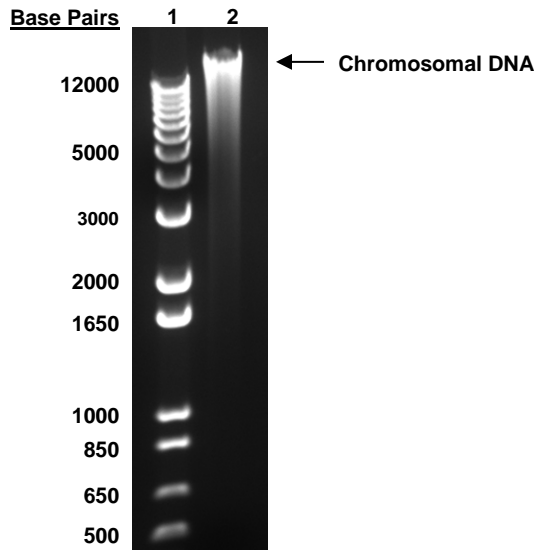
TEST	SPECIFICATIONS	RESULTS
Sequencing of 16S Ribosomal RNA Gene (~ 1400 base pairs)	Consistent with <i>C. botulinum</i>	Consistent with <i>C. botulinum</i> ²
Agarose Gel Electrophoresis	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
Concentration by PicoGreen [®] Measurement	4 to 6 µg in 25 to 100 µL per vial	5.6 µg in 68 µL per vial (82 µg/mL)
Functional Activity by PCR Amplification 16S ribosomal RNA gene	~ 1500 base pair amplicon	~ 1500 base pair amplicon
OD ₂₆₀ /OD ₂₈₀ Ratio	1.7 to 1.9	1.9
Bacterial Inactivation 10% of total yield plated on agar ³	No viable bacteria detected	No viable bacteria detected

¹The bacterial preparation used for extraction of genomic DNA was produced from ATCC[®] 25764[™] lot 52349. Genomic DNA was extracted using proprietary technology, and is provided in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH ~ 7.4).

²Also consistent with other *Clostridia* species

³An 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 NR-2713

/Heather Couch/
Heather Couch

21 AUG 2018

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