

Genomic DNA from *Acinetobacter baumannii*, Isolate 6

Catalog No. NR-13516

Product Description: Genomic DNA was obtained from a preparation of *Acinetobacter baumannii* (*A. baumannii*) obtained from human sputum in 2008.

Lot¹: 58843146

Manufacturing Date: 13JAN2010

TEST	SPECIFICATIONS	RESULTS
Sequencing of 16S Ribosomal RNA Gene (~ 1360 bp)	Consistent with <i>A. baumannii</i>	Consistent with <i>A. baumannii</i>
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	6.2 µg in 74 µL per vial (84 µg/mL) ²
Functional Activity by PCR Amplification 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
OD₂₆₀/OD₂₈₀ Ratio	1.7 to 1.9	1.9
Bacterial Inactivation 10% of total yield plated on Tryptic Soy Agar with 5% sheep blood ^{3,4}	No viable bacteria detected	No viable bacteria detected

¹The bacterial preparation used for extraction of genomic DNA was produced by Tryptic Soy Broth culture of the NR-13379 (Lot: 58666796). After incubation for 24 hours at 37°C and aerobic atmosphere, genomic DNA was extracted using proprietary technology.

² The µg of DNA in the vials is greater than required by current specifications

³7 days at 37°C in an aerobic atmosphere.

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

Date: 11 MAY 2010

Signature: Signature on File

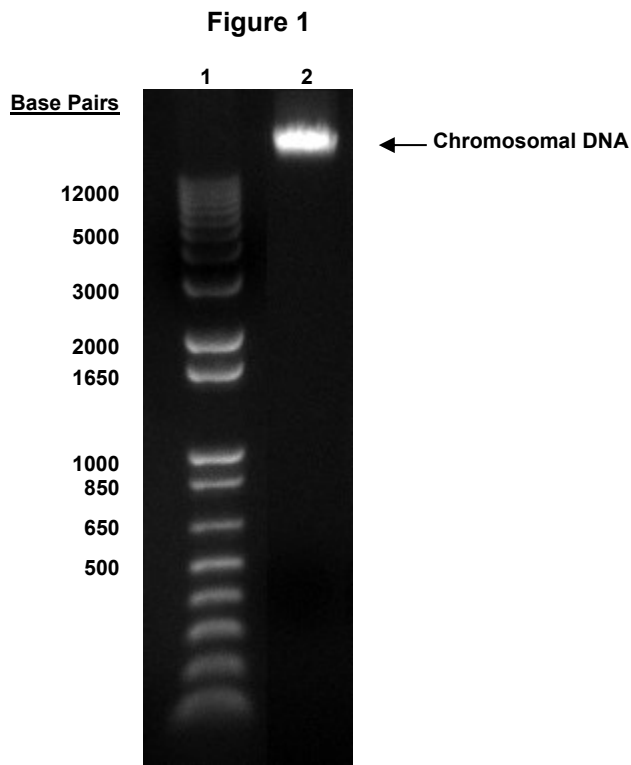
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Lane 1: Invitrogen™ TrackIt 1 Kb Plus DNA Ladder™

Lane 2: 200 ng of NR-13516