

Certificate of Analysis for NR-15465

Genomic DNA from Klebsiella pneumoniae, Isolate 2

Catalog No. NR-15465

Product Description: Genomic DNA was obtained from a preparation of *Klebsiella pneumoniae* (*K. pneumoniae*), isolate 2.

Lot¹: 58855096 Manufacturing Date: 19OCT2010

TEST	SPECIFICATIONS	RESULTS
Sequencing of 16S Ribosomal RNA Gene (~ 1420 bp)	Consistent with K. pneumoniae	Consistent with K. pneumoniae
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 69 μL per vial (16 μg/mL)
Functional Activity by PCR Amplification 16S ribosomal RNA gene Presence of β-lactamase (blaκPC) gene ²	~ 1500 bp amplicon ~ 1000 bp amplicon	~ 1500 bp amplicon ~ 1000 bp amplicon
OD ₂₆₀ /OD ₂₈₀ Ratio	1.7 to 2.0	1.9
Bacterial Inactivation 10% of total yield plated on Tryptic Soy Agar ^{3,4}	No viable bacteria detected	No viable bacteria detected

¹The bacterial preparation used for extraction of genomic DNA was produced by culture of the deposited material. Genomic DNA was extracted using proprietary technology.

Date: 17 JUN 2013 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 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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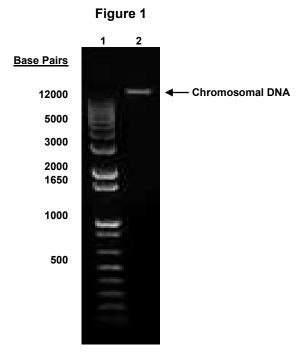
²Yigit, H., et al. "Novel Carbapenem-Hydrolyzing β-Lactamase, KPC-1, from a Carbapenem-Resistant Strain of *Klebsiella pneumoniae*." Antimicrob. Agents Chemother. 45 (2001): 1151-1161. PubMed: 11257029.

³7 days at 37°C in an aerobic atmosphere

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

SUPPORTING INFECTIOUS DISEASE RESEARCH

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Lane 1: Invitrogen™ Tracklt 1 Kb Plus DNA Ladder™ Lane 2: 200 ng of NR-15465

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