

Certificate of Analysis for NR-10277

Genomic DNA from Burkholderia thailandensis, Strain E421

Catalog No. NR-10277

Product Description: Genomic DNA was isolated from a preparation of *Burkholderia thailandensis* (*B. thailandensis*), strain E421 an environmental isolate obtained from a rice field sample in northeast Thailand.

Lot¹: 58243183 Manufacturing Date: 08JAN2009

TEST	SPECIFICATIONS	RESULTS
Sequencing of 16S Ribosomal RNA Gene (~ 1390 bp)	Identical to BEI Resources NR-9909 Consistent with <i>B. thailandensis</i>	Identical to BEI Resources NR-9909 Consistent with <i>B. thailandensis</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	5.2 μg in 38 μL per vial (138 μg/mL)
Functional Activity by PCR Amplification 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
OD ₂₆₀ /OD ₂₈₀ Ratio	1.7 to 1.9	1.9
Bacterial Inactivation 10% of total yield plated on Nutrient Agar ^{2,3}	No viable bacteria detected	No viable bacteria detected

¹B. thailandensis, strain E421 was deposited by Dr. Sharon J. Peacock, PhD, FRPC, FRCPath, Head of Microbiology, Mahidol-Oxford Tropical Medicine Research Unit, Faculty of Tropical Medicine, Mahidol University, Bangkok, Thailand. The bacterial preparation used for extraction of genomic DNA was produced by Nutrient Broth culture of the deposited material. After incubation for 48 hours at 30°C in an aerobic atmosphere, genomic DNA was extracted using proprietary technology.

Date: 20 APR 2009 **Signature:** Signature on File

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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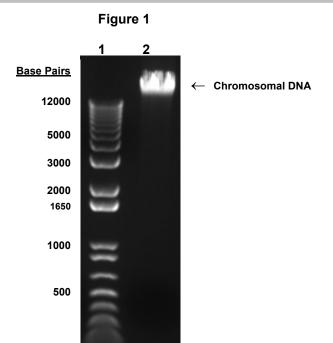
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²7 days at 30°C in an aerobic atmosphere

³An extraction procedure was used that has been shown to consistently inactivate 100% of Gram-negative bacteria.



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Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder Lane 2: 200 ng of NR-10277

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