Certificate of Analysis for NR-3059

Genomic DNA from *Campylobacter jejuni subsp. jejuni*, Strain D4344

Catalog No. NR-3059

Product Description: Genomic DNA was isolated from a preparation of *Campylobacter jejuni* subsp. *jejuni*, strain D4344.

Lot[1]: 7642458 **Manufacturing Date: 10OCT2006**

TEST	SPECIFICATIONS	RESULTS
Sequencing of 16S Ribosomal RNA Gene (~ 460 base pairs)	Consistent with *Campylobacter jejuni*	Consistent with *Campylobacter jejuni* [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	5.1 µg in 42 µL per vial (122 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 Trypticase Soy Agar with 5% defibrinated sheep blood[3,4]	No viable bacteria detected	No viable bacteria detected

[1]The bacterial preparation used for extraction of genomic DNA was produced by inoculation of ATCC® BAA-373™ (Lot 2206706) into Brucella Broth (BD 211088) on Tryptic Soy Agar (BD 236950) with 5% defibrinated sheep blood Kolle. After incubation for 48 hours at 37°C in a microaerophilic (3–5% O_2 and 5% CO_2) atmosphere, genomic DNA was extracted using proprietary technology.
[2]Also consistent with *Campylobacter coli*.
[3]Incubated for 7 days at 37°C and microaerophilic (3–5% O_2 and 5% CO_2) atmosphere.
[4]An extraction procedure was used that has been shown to consistently inactivate 100% of Gram-negative bacteria.

Date: 18 SEP 2007 **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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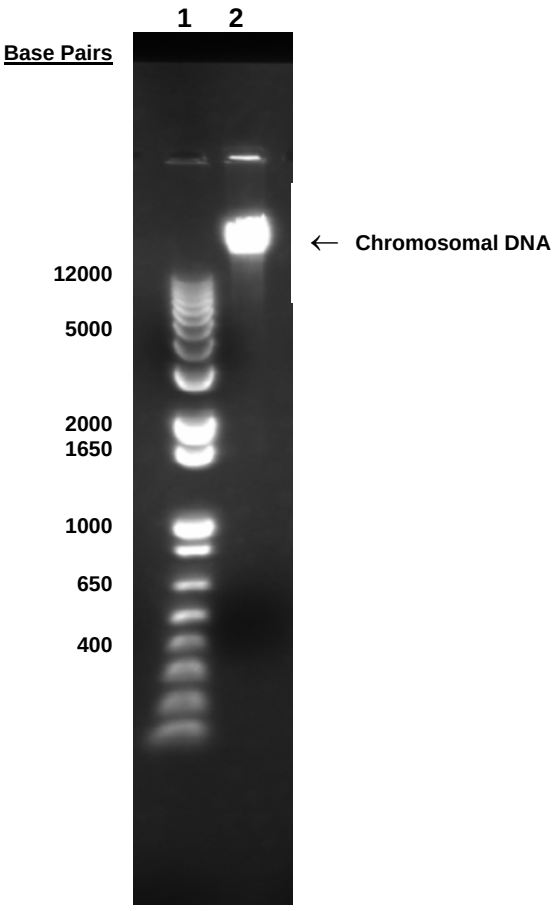
Figure 1



Lane 1: Invitrogen™ 1Kb Plus DNA Ladder™
Lane 2: 200 ng of NR-3059

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