

Genomic DNA from *Campylobacter jejuni*, Strain INP21

Catalog No. NR-3061

Product Description: Genomic DNA was extracted from a preparation of *Campylobacter jejuni* (*C. jejuni*), strain INP21 (strain INP21 is also referred to as strain RM3148). *C. jejuni*, strain INP21 was originally isolated by Irving Nachamkin and Patricia Arzarte in 1997 from a patient with Guillain-Barré syndrome at the National Institute of Pediatrics in Mexico City, Mexico. In 2002, strain INP21 was deposited to the ATCC as Penner serotype HS:41.

Lot¹: 63901337

Manufacturing Date: 25MAR2016

TEST	SPECIFICATIONS	RESULTS
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 780 base pairs)	≥ 99% sequence identity to <i>C. jejuni</i> , type strain ATCC® 33560™ (GenBank: AJN01000025)	99.8% sequence identity to <i>C. jejuni</i> , type strain ATCC® 33560™ (GenBank: AJN01000025)
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	1.0 µg in 34 µL per vial (30 µg/mL)
Functional Activity by PCR Amplification 16S ribosomal RNA gene	~ 1500 base pair amplicon	~ 1500 base pair amplicon
OD₂₆₀/OD₂₈₀ Ratio	1.7 to 2.1	1.7
Bacterial Inactivation 10% of total yield plated on Tryptic Soy agar with 5% defibrinated sheep ^{2,3}	No viable bacteria detected	No viable bacteria detected

¹The bacterial preparation used for extraction of genomic DNA was produced by inoculation of NR-403 (Lot 7642596) into Brucella broth on Tryptic Soy agar with 5% defibrinated sheep blood (biphasic culture) for 2 days at 37°C in a microaerophilic atmosphere (CampyPak™). The resulting growth was used to inoculate a Tryptic Soy agar with 5% defibrinated sheep blood kolle. After incubation for 2 days under the same conditions as the first passage, genomic DNA was extracted using proprietary technology. [Note: NR-403 was produced from ATCC® BAA-530™ (Lot 4094875)]

²Incubated for 14 days at 37°C in a microaerophilic atmosphere (CampyPak™).

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

Date: 22 JUN 2016

Signature:

BEI Resources Authentication

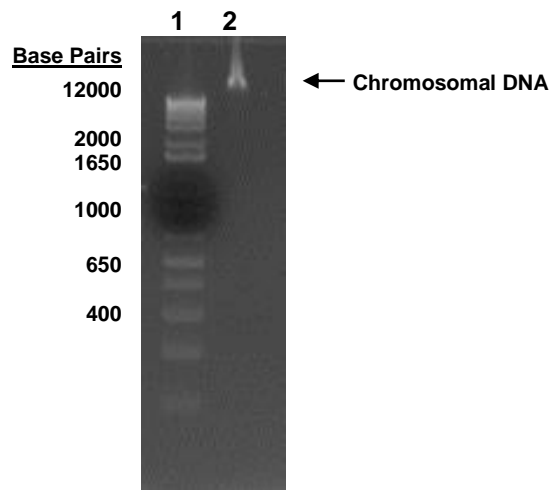
ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.



Figure 1: Agarose Gel Electrophoresis



Lane 1: Invitrogen™ 1Kb Plus DNA Ladder™
Lane 2: 300 ng of NR-3061