

Genomic DNA from *Campylobacter jejuni* subsp. *jejuni*, Strain D3071

Catalog No. NR-3057

Product Description: Genomic DNA was isolated from a preparation of *Campylobacter jejuni* subsp. *jejuni*, strain D3071.

Lot¹: 7735122

Manufacturing Date: 22NOV2006

TEST	SPECIFICATIONS	RESULTS
Sequencing of 16S Ribosomal RNA Gene (~ 610 base pairs)	Consistent with <i>Campylobacter jejuni</i>	Consistent with <i>Campylobacter jejuni</i> 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	5.7 µg in 54 µL per vial (106 µg/mL)
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 Trypticase Soy Agar with 5% defibrinated sheep blood ^{3,4}	No viable bacteria detected	No viable bacteria detected

¹The bacterial preparation used for extraction of genomic DNA was produced by inoculation of ATCC[®] BAA-221[™] (Lot 2028441) into Brucella Broth (BD 211088) on Tryptic Soy Agar (BD 236950) with 5% defibrinated sheep blood Kolle. After incubation for 72 hours at 37°C in a microaerophilic (3–5% O₂ and 5% CO₂) atmosphere, genomic DNA was extracted using proprietary technology.

²Also consistent with *Campylobacter coli*.

³Incubated for 7 days at 37°C and microaerophilic (3–5% O₂ and 5% CO₂) atmosphere.

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

Date: 18 SEP 2007

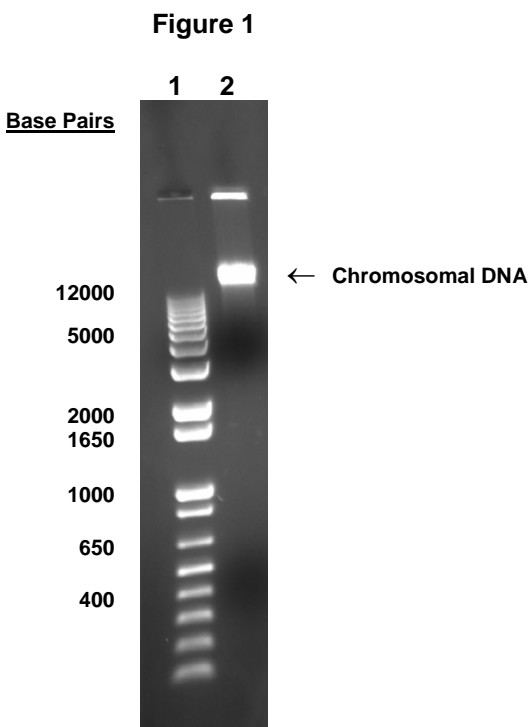
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Lane 1: Invitrogen™ 1Kb Plus DNA Ladder™
Lane 2: 200 ng of NR-3057