

Genomic DNA from *Campylobacter jejuni* subsp. *jejuni*, Strain LRA 094.06.89

Catalog No. NR-4208

Product Description: Genomic DNA was isolated from a preparation of *Campylobacter jejuni* subsp. *jejuni*, strain LRA 094.06.89.

Lot¹: 57689509

Manufacturing Date: 29JAN2008

TEST	SPECIFICATIONS	RESULTS
Sequencing of 16S Ribosomal RNA Gene (~ 1350 base pairs)	Identical to GenBank: AY621112 Consistent with <i>Campylobacter jejuni</i>	Identical to GenBank: AY621112 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	5.2 µg in 46 µL per vial (113 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	1.8
Bacterial Inactivation 10% of total yield plated on Tryptic 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 NR-128 (Lot 3804965) into Tryptic Soy Broth (BD 211825) on Tryptic Soy Agar (BD 236950) with 5% defibrinated sheep blood Kolle. After incubation for 24 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*.

³7 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: 08 JUL 2008

Signature: Signature on File

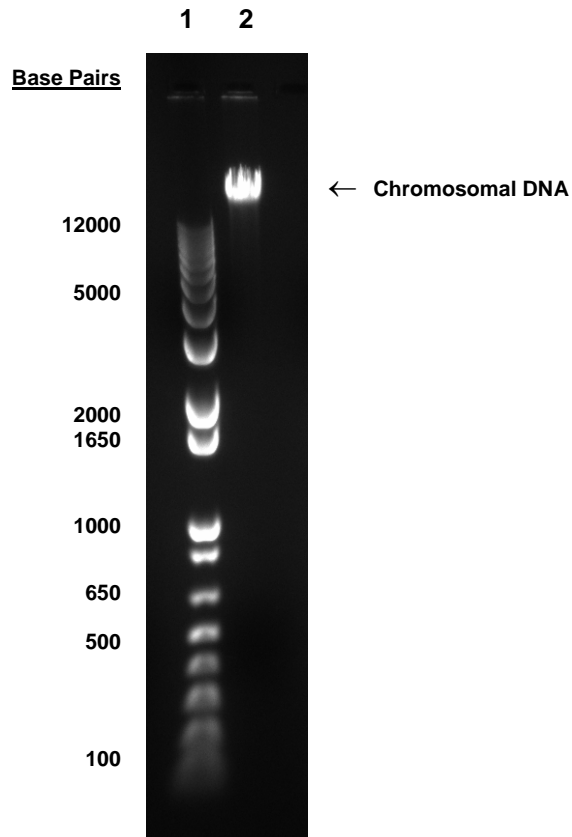
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Figure 1



Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder
Lane 2: 200 ng of NR-4208