

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

Catalog No. NR-4208

For research use only. Not for human use.

Contributor:

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Product Description:

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

Campylobacter jejuni (*C. jejuni*) is a Gram-negative, slender, curved, motile rod commonly found in animal feces. It is a thermophilic and microaerophilic organism that is sensitive to environmental stresses.¹ *C. jejuni* is among the most frequently identified bacterial causes of human gastroenteritis in the U.S. and other industrialized countries.² Recently, cytolethal distending toxin was identified in many strains of *C. jejuni* (including LRA 094.06.89) and is an important virulence determinant.³

NR-4208 has been qualified for PCR applications by amplification of approximately 1500 bp of the 16S ribosomal RNA gene.

Material Provided:

Each vial contains 4 to 6 µg of bacterial genomic DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH ~7.4). The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-4208 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Genomic DNA from *Campylobacter jejuni* subsp. *jejuni*, Strain LRA 094.06.89, NR-4208."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2007; see www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm.

Disclaimers:

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References:

1. Altekruse, S. F., et al. "*Campylobacter jejuni*—An Emerging Foodborne Pathogen." Emerg. Infect. Dis. 5 (1999): 28-35. PubMed: 10081669.
2. Gibreel, A. and D. E. Taylor. "Macrolide Resistance in *Campylobacter jejuni* and *Campylobacter coli*." J. Antimicrob. Chemother. 58 (2006): 243-255. PubMed: 16735431.
3. Dassanayake, R. P., et al. "Characterization of Cytolethal Distending Toxin of *Campylobacter* Species Isolated from Captive Macaque Monkeys." J. Clin. Microbiol. 43 (2005): 641-649. PubMed: 15695658.
4. Snelling, W. J., et al. "*Campylobacter jejuni*." Lett. Appl. Microbiol. 41 (2005): 297-302. PubMed: 16162134.

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