

**Genomic DNA from *Vibrio cholerae*, Strain 395**

**Catalog No. NR-15694**

**For research use only. Not for human use.**

**Contributor:**  
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**Product Description:**

Genomic DNA was obtained from a preparation of *Vibrio cholerae* (*V. cholerae*), strain 395.

*V. cholerae*, strain 395 (Ogawa 395; O395) was isolated in the spring of 1964 from a patient with clinical cholera in Calcutta, India.<sup>1,2</sup> The complete genome of *V. cholerae*, O395 has been sequenced.<sup>3,4</sup>

NR-15694 has been qualified for PCR applications by amplification of approximately 1500 bp of the 16S ribosomal RNA.

**Material Provided:**

Each vial contains 4 to 6 µg of bacterial genomic DNA in TE buffer (10 mM Tris-HCl and 1 mM EDTA, pH ~ 8.0). The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

**Packaging/Storage:**

NR-15694 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 *Vibrio cholerae*, Strain 395, NR-15694."

**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](http://www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm).

**Disclaimers:**

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**References:**

1. Sack, R. B. and C. C. J. Carpenter. "Experimental Canine Cholera I. Development of the Model." J Infect. Dis. 119 (1968): 138-149. PubMed: 5776004.
2. Sack, R. B. and C. E. Miller. "Progressive Changes in *Vibrio* Serotypes in Germ-Free Mice Infected with *Vibrio cholerae*." J. Bacteriol. 99 (1969): 688-695. PubMed: 5370274.
3. Feng, L., et al. "A Recalibrated Molecular Clock and Independent Origins for the Cholera Pandemic Clones." PLoS One 3 (2008): e4053. PubMed: 19115014. GenBank: CP001235 and CP001236.
4. Heidelberg, J. Direct submission (16 Mar 2007). GenBank: CP000626 and CP000627.
5. Trucksis, M., J. Michalski, Y. K. Deng, and J. B. Kaper. "The *Vibrio cholerae* Genome Contains Two Unique Circular Chromosomes." Proc. Natl. Acad. Sci. U.S.A. 95 (1998): 14464-14469. PubMed: 9826723.

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