

Genomic DNA from *Vibrio cholerae*, Strain 395

Catalog No. NR-15694
(Derived from ATCC® 39541™)

For research use only. Not for use in humans.

Contributor:
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Manufacturer:
BEI Resources

Product Description:

Genomic DNA was extracted 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.^{1,2} The complete genome of *V. cholerae*, O395 has been sequenced (GenBank: [CP000626](#) and [CP000627](#)).³

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

Material Provided:

Each vial contains 0.7 to 1.5 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 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 BEI Resources, 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 \(BMBL\)](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

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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. 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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