

**Genomic DNA from *Ehrlichia chaffeensis*, Strain St. Vincent**

**Catalog No. NR-50090**

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

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

Genomic DNA was isolated from a preparation of cell lysate and supernatant from *Canis familiaris* macrophage-monocyte cells (DH82; ATCC® CRL-10389™) infected with *Ehrlichia chaffeensis* (*E. chaffeensis*), strain St. Vincent. *E. chaffeensis*, strain St. Vincent was isolated in 1996 from the blood of a 52-year-old male patient in Georgia, USA, who was bitten by a tick and subsequently developed fatal human monocytic ehrlichiosis (HME).<sup>1,2</sup> The complete genome sequence of *E. chaffeensis*, strain St. Vincent has been determined (GenBank: [CP007478](#)).

NR-50090 has been qualified for PCR applications by amplification of approximately 1000 base pairs of the ECH\_0849 gene. Recommended dilutions for successful RT-PCR amplification are indicated on the Certificate of Analysis for each lot.

**Material Provided:**

Each vial contains 100 µL of bacterial genomic DNA. The bacterial genomic DNA is in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH ~ 8.0) in a background of cellular nucleic acid (lot 70021819) or TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH ~ 7.0) in a background of cellular nucleic acid and carrier RNA (lot 63958928). The vial should be centrifuged prior to opening.

**Packaging/Storage:**

NR-50090 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 BEI Resources, NIAID, NIH: Genomic DNA from *Ehrlichia chaffeensis*, Strain St. Vincent, NR-50090."

**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, 2009; see [www.cdc.gov/biosafety/publications/bmb15/index.htm](http://www.cdc.gov/biosafety/publications/bmb15/index.htm).

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**References:**

1. Rikihisa, Y., Personal Communication.
2. Paddock, C. D., et al. "Isolation and Characterization of *Ehrlichia chaffeensis* Strains from Patients with Fatal Ehrlichiosis." J. Clin. Microbiol. 35 (1997): 2496-2502. PubMed: 9316896.

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