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

Catalog No. NR-50090

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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).1,2 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


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References:
1. Rikihisa, Y., Personal Communication.

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