Genomic DNA from *Rickettsia sibirica*, Strain 246

Catalog No. NR-10486

For research use only. Not for human use.

Contributor:
ATCC®

Manufacturer:
BEI Resources

Product Description:
Genomic DNA was isolated from a preparation of cell lysate and supernatant from African green monkey kidney cells (Vero; ATCC® CCL-81™) infected with *Rickettsia sibirica (R. sibirica)*, strain 246. Synonyms for this strain include Siberian Tick Typhus 246 and *R. sibiric*a, strain STT-246.

*R. sibiric*a, strain 246 is a tick (*Dermacentor nuttalli*) isolate from Krasnojarsk, Russia in 1949.[1] It was deposited to the ATCC® about 1985 from the collection of Dr. F. Marilyn Bozeman of the U. S. Food and Drug Administration. The whole genome shotgun sequence of *R. sibirica*, strain 246 has been submitted (GenBank: AABW00000000).[2]

NR-10486 has been qualified for PCR applications by amplification of an approximately 1150 nucleotide sequence. Recommended conditions for successful PCR amplification are indicated on the Certificate of Analysis for each lot.

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

Packaging/Storage:
NR-10486 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen 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 *Rickettsia sibirica*, Strain 246, NR-10486."

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/bmbl5/bmbl5toc.htm.

Disclaimers:
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References:
1. Bell, E. J. and H. G. Stoenner. "Immunologic Relationships among the Spotted Fever Group of Rickettsias Determined by Toxin Neutralization Tests in Mice with Convalescent Animal Serums." J. Immunol. 84 (1960): 171-182. PubMed: 13798490.
2. Malek, J. A., et al. "Protein Interaction Mapping on a Functional Shotgun Sequence of *Rickettsia sibirica*." Nucleic Acids Res. 32 (2004): 1059-1064. PubMed: 14872061.

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