Genomic DNA from *Francisella tularensis* subsp. *holarctica*, Strain OR96-0246

Catalog No. NR-3020
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Contributor:
Martin E. Schriefer, Ph.D., Chief, Diagnostic and Reference Laboratory, Bacterial Zoonoses Branch, Division of Vector-Borne Infectious Diseases, National Center for Infectious Disease, Centers for Disease Control and Prevention, Fort Collins, Colorado, USA

Manufacturer:
BEI Resources

Product Description:
Genomic DNA was isolated from a preparation of *Francisella tularensis* (F. tularensis) subsp. *holarctica*, strain OR96-0246.

*F. tularensis* is a small, non-motile, aerobic, pleomorphic, gram-negative coccobacillus. Very little is known about the virulence mechanisms of *F. tularensis*, but growth in macrophages is central to the bacterium’s ability to cause disease.¹

*F. tularensis* subsp. *holarctica* OR96-0246 was isolated in 1996 from a monkey in Oregon.² The complete genome sequence of *F. tularensis* subsp. *holarctica* OR96-0246 is available (GenBank: CP011488).

NR-3020 has been qualified for PCR applications by amplification of ~1500 base pairs of the 16S ribosomal RNA gene as well as amplification of a subspecies-specific sequence of ~1250 base pairs (Type B; subsp. *holarctica*).³

Material Provided:
Each vial of lot 63344341 contains approximately 0.7 μg to 1.5 μg of bacterial genomic DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH ~ 8.0). Each vial of lot 7513130 contains approximately 5 μg of bacterial genomic DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH ~ 7.4). The concentration, expressed as μg per μL, is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

Packaging/Storage:
NR-3020 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 *Francisella tularensis* subsp. *holarctica*, Strain OR96-0246.”

Biosafety Level: 1

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References:

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E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898


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