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

Catalog No. NR-3020

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Contributor:

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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, NR-3020."

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/bmbl5/index.htm.

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