Genomic DNA from *Francisella tularensis* subsp. *holarctica*, Strain LVSG

Catalog No. NR-3014

For research use only. Not for human use.

**Contributor:**
Francis E. Nano, Ph.D., Professor, Department of Biochemistry and Microbiology, University of Victoria, Victoria, British Columbia, Canada

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

*F. tularensis* subsp. *holarctica* is a small, non-motile, aerobic, pleomorphic, gram-negative coccobacillus which displays a moderate degree of human virulence. 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* LVSG is a spontaneous colony-opacity (i.e. grey) variant isolated from the parent live vaccine strain (LVS).2

NR-3014 has been qualified for PCR applications by amplification of ~ 1500 bp of the 16S ribosomal RNA gene as well as amplification of a subspecies-specific sequence of ~ 1250 bp (Type B; subsp. *holarctica*).3

**Material Provided:**
Each vial 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-3014 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 the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Genomic DNA from *Francisella tularensis* subsp. *holarctica*, Strain LVSG, NR-3014.”

**Biosafety Level:** 1

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**References:**


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