Genomic DNA from *Francisella tularensis* subsp. *holarctica*, Strain KY99-3387

**Catalog No. NR-3019**
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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

**Product Description:**
Genomic DNA was isolated from a preparation of *Francisella tularensis* (F. tularensis) subsp. *holarctica*, strain KY99-3387.

*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* KY99-3387 is a human isolate from Kentucky (1999).

NR-3019 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*).2

**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-3019 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 KY99-3387, NR-3019.”

**Biosafety Level:** 1

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**References:**

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