

Genomic DNA from *Francisella tularensis* subsp. *holarctica*, CDC Live Vaccine Strain (LVS)

Catalog No. NR-3018

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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 CDC LVS.

A single colony isolate of *F. tularensis* subsp. *holarctica*, CDC LVS was deposited to BEI Resources from the CDC Reference Collection as a Live Vaccine Strain. The CDC LVS is reported to be derived from a Russian water rat isolate obtained in the 1950s.¹ **Note:** There is no documentation to indicate that this strain is the Live Vaccine Strain that was produced by the National Drug Company.

NR-3018 has been qualified for PCR applications by amplification of approximately 1500 base pairs of the 16S ribosomal RNA gene as well as amplification of a subspecies-specific sequence of approximately 1250 base pairs (Type B; subsp. *holarctica*).²

Material Provided:

Each vial of lot 62013068 contains 0.7 µg to 1.5 µg of bacterial genomic DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH ~ 8). Each vial of lot 7513128 contains approximately 5 µg of bacterial genomic DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH ~ 7.4). The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-3018 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*, CDC Live Vaccine Strain (LVS), NR-3018."

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.

Disclaimers:

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References:

1. M. E. Schriefer, Personal Communication.
2. Petersen, J. M., et al. "Laboratory Analysis of Tularemia in Wild-Trapped, Commercially Traded Prairie Dogs, Texas, 2002." *Emerg. Infect. Dis.* 10 (2004): 419-425. PubMed: 15109407.

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