

Product Information Sheet for NR-3036

Genomic DNA from *Francisella tularensis* subsp. *novicida*, Strain CG69

Catalog No. NR-3036

For research use only. Not for human use.

Contributor:

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Product Description:

Genomic DNA was isolated from a preparation of *Francisella tularensis* subsp. *novicida*, strain CG69.

F. tularensis subsp. *novicida*, is a Gram-negative, facultative bacterium, which grows predominantly in macrophages when living in mammalian hosts. ¹ It is commonly used for studying *F. tularensis* pathogenesis since it is highly virulent in mice but has minor effects on humans. ²

F. tularensis subsp. *novicida*, strain CG69 is a transposon mutant of wild-type strain U112, with diminished ability to grow in mouse macrophages.³

NR-3036 has been confirmed as non-type B by PCR amplification of an approximately 390 bp amplicon. Analysis of the 16S ribosomal RNA gene indicates that NR-3036 is consistent with other strains of *F. tularensis* subsp. *novicida*. NR-3036 has been qualified for PCR applications by amplification of approximately 1500 bp of the 16S ribosomal RNA gene.

Material Provided:

Each vial contains approximately 4–6 µg of bacterial genomic DNA in TE buffer (10 mM Tris-HCl and 1 mM EDTA, pH 8.0). The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-3036 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. *novicida*, Strain CG69, NR-3036."

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. <u>Biosafety in Microbiological and Biomedical Laboratories</u>. 5th ed. Washington, DC: U.S. Government Printing Office, 2007; see www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm.

Disclaimers:

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- 3. Gray, C. G., et al. "The Identification of Five Genetic Loci of Francisella novicida Associated with Intracellular

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- Petersen, J. M., et al. "Laboratory Analysis of Tularemia in Wild-Trapped, Commercially Traded Prairie Dogs, Texas, 2002." <u>Emerg. Infect. Dis.</u> 10 (2004): 419–425. PubMed: 15109407.
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