

## Genomic DNA from *Francisella tularensis* subsp. *tularensis*, Strain WY96-3418

### Catalog No. NR-3016

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**Product Description:** Genomic DNA was isolated from a preparation of *Francisella tularensis* (*F. tularensis*) subsp. *tularensis*, strain WY96-3418.

Lot<sup>1</sup>: 58154346

Manufacturing Date: 15APR2008

TEST	SPECIFICATIONS	RESULTS
<b>Sequencing of 16S Ribosomal RNA Gene (~ 1420 bp)</b>	Identical to GenBank: CP000608 Consistent with <i>F. tularensis</i> subsp. <i>tularensis</i>	Identical to GenBank: CP000608 Consistent with <i>F. tularensis</i> subsp. <i>tularensis</i> <sup>2</sup>
<b>Agarose Gel Electrophoresis</b>	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
<b>Concentration by PicoGreen<sup>®</sup> Measurement</b>	4 to 6 µg in 25 to 100 µL per vial	5.5 µg in 33 µL per vial (170 µg/mL)
<b>Functional Activity by PCR Amplification</b> 16S ribosomal RNA gene Molecular subtyping <sup>3,4</sup>	~ 1500 bp amplicon ~ 390 bp amplicon (Type A)	~ 1500 bp amplicon ~ 390 bp amplicon (Type A)
<b>OD<sub>260</sub>/OD<sub>280</sub> Ratio</b>	1.7 to 1.9	1.9
<b>Bacterial Inactivation</b> 10% of total yield plated on agar <sup>5</sup>	No viable bacteria detected	No viable bacteria detected

<sup>1</sup>*F. tularensis* subsp. *tularensis*, strain WY96-3418 was deposited by the Centers for Disease Control and Prevention, Division of Vector-Borne Infectious Diseases, Fort Collins, Colorado. The deposited material was prepared by culture of a single colony isolated from the CDC Reference Collection stock. The bacterial preparation used for extraction of genomic DNA was produced by propagation of the CDC deposited material. Genomic DNA was extracted using proprietary technology.

<sup>2</sup>Also consistent other *F. tularensis* subspecies

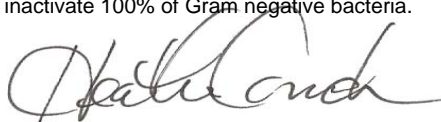
<sup>3</sup>Petersen, J. M., et al. "Laboratory Analysis of Tularemia in Wild-Trapped, Commercially Traded Prairie Dogs, Texas, 2002." *Emerg. Infect. Dis.* 10 (2004): 419-425. PubMed: 15109407.

<sup>4</sup>Kugeler, K. J., et al. "Real-time PCR for *Francisella tularensis* Types A and B." *Emerg. Infect. Dis.* 12 (2006): 1799-1801. PubMed: 17283646.

<sup>5</sup>An extraction procedure was used that has been shown to consistently inactivate 100% of Gram negative bacteria.

Date: 24 MAY 2012

Signature:



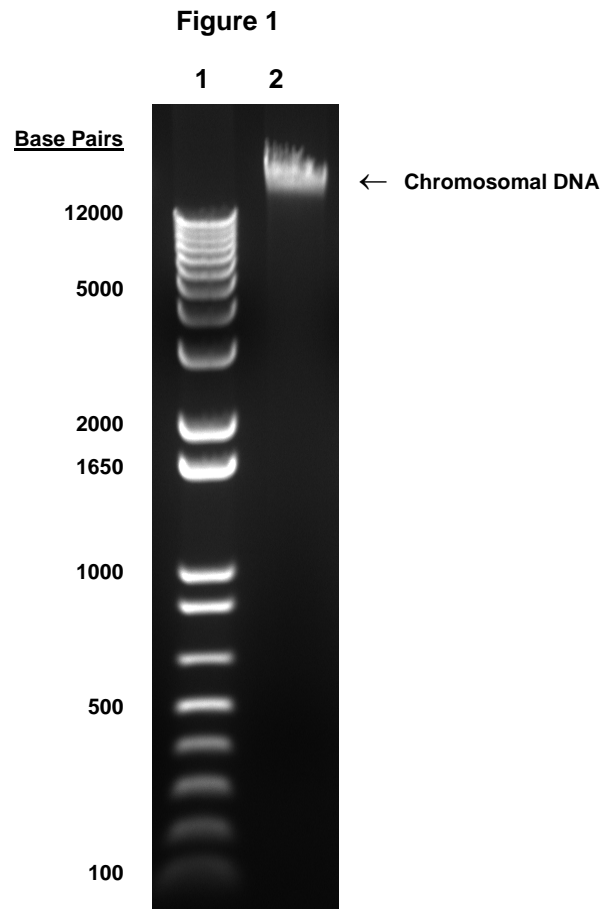
Title:

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Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder  
Lane 2: 200 ng of NR-3016