

**Genomic DNA from *Francisella tularensis* subsp. *tularensis*, Strain MA00-2987**

**Catalog No. NR-3017**

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**Product Description:** Genomic DNA was isolated from a preparation of *Francisella tularensis* (*F. tularensis*) subsp. *tularensis*, strain MA00-2987.

**Lot<sup>1</sup>: 61176383**

**Manufacturing Date: 26FEB2015**

TEST	SPECIFICATIONS	RESULTS
<b>Sequencing of 16S Ribosomal RNA Gene</b> (~ 1470 base pairs)	≥ 99% sequence identity to <i>F. tularensis</i> type strain (GenBank: NR_029362)	99.3% sequence identity to <i>F. tularensis</i> type strain (GenBank: NR_029362)
<b>Molecular Subtyping by PCR Amplification of Subspecies-Specific Sequence<sup>2</sup></b> subsp. <i>tularensis</i> subsp. <i>holarctica</i> subsp. <i>novicida</i> <i>Francisella philomiragia</i>	~ 1500 base pair amplicon ~ 900 base pair amplicon ~ 3300 base pair amplicon No amplicon	~ 1500 base pair amplicon No amplicon No amplicon No amplicon
<b>Agarose Gel Electrophoresis</b>	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA
<b>Concentration by PicoGreen<sup>®</sup> Measurement</b>	0.7 to 1.5 µg in 25 to 100 µL per vial	0.95 µg in 33 µL per vial (0.03 µg/µL)
<b>Functional Activity by PCR Amplification</b> 16S ribosomal RNA gene	~ 1500 base pair amplicon	~ 1500 base pair amplicon
<b>OD<sub>260</sub>/OD<sub>280</sub> Ratio</b>	1.7 to 2.1	1.9
<b>Bacterial Inactivation</b> 10% of total yield plated on agar <sup>3</sup>	No viable bacteria detected	No viable bacteria detected

<sup>1</sup>The bacterial preparation used for extraction of genomic DNA was produced from NR-645 (Lot 4324760). Genomic DNA was extracted using proprietary technology.

<sup>2</sup>Tested by multiplex PCR

<sup>3</sup>An extraction procedure was used that has been shown to consistently inactivate 100% of Gram-positive and Gram-negative bacteria.

**Date:** 27 APR 2016

**Signature:** 

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