Genomic DNA from *Francisella tularensis* subsp. *novicida*, Strain GB2

**Catalog No.** NR-3030

**Product Description:** Genomic DNA was isolated from a preparation of *Francisella tularensis* (*F. tularensis*) subsp. *novicida*, strain GB2.

**Lot**\(^1\): 7562883  
**Manufacturing Date:** 14SEP2006

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| Sequencing of 16S Ribosomal RNA Gene (~ 1340 bp) | Identical to GenBank CP000439  
Consistent with *F. tularensis* subsp. *novicida* | Identical to GenBank CP000439  
Consistent with *F. tularensis* subsp. *novicida*\(^2\) |
| Agarose Gel Electrophoresis                   | High molecular weight chromosomal DNA               | High molecular weight chromosomal DNA (Figure 1) |
| Concentration by PicoGreen\(^\circledR\) Measurement | 4 to 6 µg in 25 to 100 µL per vial  
5.6 µg in 70 µL per vial (79 µg/mL) | |
| Functional Activity by PCR Amplification      | ~ 1500 bp amplicon  
~ 390 bp amplicon (non-type B) | ~ 1500 bp amplicon  
~ 390 bp amplicon (non-type B) |
| OD\(_{260}/\text{OD}_{280}\) Ratio            | 1.7 to 1.9                                          | 1.9                                          |
| Bacterial Inactivation                        | No viable bacteria detected                        | No viable bacteria detected                 |

\(^1\) Genomic DNA from *F. tularensis* subsp. *novicida*, strain GB2 was extracted from NR-575 (Lot: 4059344) on Difco\(\textsuperscript{TM}\) Cystine Heart Agar (BD 247100) with 5% defibrinated rabbit blood. After incubation for 26 hours at 37°C in an aerobic atmosphere with 5% CO\(_2\), genomic DNA was extracted using proprietary technology.

\(^2\) Also consistent with other *F. tularensis* subspecies.


\(^5\) Incubated for 7 days at 37°C and aerobic atmosphere with 5% CO\(_2\).

\(^6\) An extraction procedure was used that has been shown to consistently inactivate 100% of Gram-negative bacteria.

**Date:** 24 JUL 2007  
**Signature:** Signature on File  
**Title:** Technical Manager, BEI Authentication or designee

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You are authorized to use this product for research use only. It is not intended for human use.
Figure 1

1 2

12000 5000 2000 1650 1000 650 400
← Chromosomal DNA

Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder
Lane 2: 200 ng of NR-3030