

## *Francisella tularensis* subsp. *novicida*, Strain CG69

**Catalog No. NR-581**

**Product Description:** *Francisella tularensis* (*F. tularensis*) subsp. *novicida* is a Gram-negative, facultative intracellular bacterium which displays a moderate degree of human virulence.

**Lot<sup>1</sup>: 4067736**

**Manufacturing Date: 18MAR2005**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>2</sup>  Hemolysis Motility X- and V-factor requirements Biochemical tests Catalase Oxidase Urease Sucrose Indole Hydrogen sulfide production Nitrate Glucose Maltose Glycerol	Gram-negative coccobacillus Report results  Non-hemolytic Non-motile Negative  Positive Negative Negative Positive  Report results Report results Report results Report results Report results Report results	Gram-negative coccobacillus Circular, convex, entire, gray, and glistening Non-hemolytic Non-motile Negative  Positive Negative Negative Positive  Negative Positive Negative Positive Negative Positive
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 500 bp)	Consistent with <i>F. tularensis</i> subsp. <i>novicida</i>	Consistent with <i>F. tularensis</i> subsp. <i>novicida</i> <sup>3</sup>
<b>Viability (post-freeze)<sup>2</sup></b>	Growth on agar	Growth on agar

<sup>1</sup>*F. tularensis* subsp. *novicida*, strain CG69 was deposited by Francis E. Nano, Ph.D., Department of Biochemistry and Microbiology, University of Victoria, Victoria, British Columbia, Canada. NR-581 was prepared by broth/agar culture of the deposited material.

<sup>2</sup>24 hours at 37°C and aerobic atmosphere with 5% CO<sub>2</sub> on Difco™ Cystine Heart Agar plus 5% defibrinated rabbit blood.

<sup>3</sup>Also consistent with other *F. tularensis* subspecies.

**Date:** 25 JUL 2007

**Signature:** Signature on File

**Title:** Technical Manager, BEI Authentication or designee

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

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