**Francisella tularensis** subsp. novicida, Strain SC92

Catalog No. NR-578

**Product Description:** *Francisella tularensis* (**F. tularensis**) subsp. novicida is a Gram-negative, facultative intracellular bacterium which displays a moderate degree of human virulence. *F. tularensis* subsp. novicida, strain SC92 is a transposon mutant of the wild-type strain U112, with a distinct lipopolysaccharide (LPS) phenotype profile.

Lot¹: 4129405  \hspace{1cm} Manufacturing Date: 17MAR2005

### TEST | SPECIFICATIONS | RESULTS
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Phenotypic Analysis
Cellular morphology | Gram-negative cocccobacillus | Gram-negative cocccobacillus
Colony morphology² | Report results | Circular, convex, entire, gray and glistening
Hemolysis | Non-hemolytic | Non-hemolytic
Motility | Non-motile | Non-motile
X- and V-factor requirements | Negative | Negative
Biochemical tests
Catalase | Positive | Positive
Oxidase | Negative | Pending
Urease | Negative | Negative
Sucrose | Positive | Positive
Indole | Report results | Report results
Hydrogen sulfide production | Report results | Positive
Nitrate | Report results | Negative
Glucose | Report results | Positive
Maltose | Report results | Positive
Glycerol | Report results | Positive

Genotypic Analysis
Sequencing of 16S ribosomal RNA gene (500 bp) | Consistent with *F. tularensis* subsp. novicida | Consistent with *F. tularensis* subsp. novicida³

Viability (post-freeze)² | Growth on agar | Growth on agar

¹ *F. tularensis* subsp. novicida, strain SC92 was deposited by Francis E. Nano, Ph.D., Department of Biochemistry and Microbiology, University of Victoria, Victoria, British Columbia, Canada. NR-578 was prepared by broth/agar culture of the deposited material.
²24 hours at 37°C and aerobic atmosphere with 5% CO₂ on Difco™ Cystine Heart Agar (BD 247100) plus 5% defibrinated rabbit blood
³Also consistent with other *F. tularensis* subspecies

**Date:** 02 JAN 2009  \hspace{1cm} **Signature:** Signature on File

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

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