

Francisella tularensis subsp. tularensis, Strain NIH B-38

Catalog No. NR-50

(Derived from ATCC® 6223™)

Product Description: *Francisella tularensis* (*F. tularensis*) subsp. *tularensis* is a small, non-motile, aerobic, pleomorphic, Gram-negative coccobacillus which displays the highest degree of human virulence among *F. tularensis* subspecies. *F. tularensis* subsp. *tularensis* strain NIH B-38 does not pose a threat to human or animal health since it has lost virulence through laboratory passage.

Lot¹: 3670415

Manufacturing Date: 22APR2004

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Hemolysis X- and V-factor requirements Biochemical tests Catalase Oxidase Urease Nitrate Indole Hydrogen sulfide production Glucose Maltose Sucrose FAME analysis	Gram-negative coccobacillus Report results Non-hemolytic Negative Positive Negative Negative Negative Report results Report results Report results Report results Report results Consistent with <i>F. tularensis</i>	Gram-negative coccobacillus Circular, convex, entire, gray-white and glistening Non-hemolytic Negative Positive Negative Negative Negative Negative Negative Positive Positive Negative Consistent with <i>F. tularensis</i>
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (420 bp)	Consistent with <i>F. tularensis</i> subsp. <i>tularensis</i>	Consistent with <i>F. tularensis</i> subsp. <i>tularensis</i> ³
Viability (post-freeze)²	Growth on agar	Growth on agar

¹NR-50 was produced by propagation of ATCC® 6223™ (Lot: 154508) on Cystine Heart Agar/Broth (BD 247100) plus 5% defibrinated rabbit blood in an aerobic atmosphere with 5% CO₂ for 24 hours at 37°C.

²24 hours at 37°C and aerobic atmosphere with 5% CO₂ on Cystine Heart Agar plus 5% defibrinated rabbit blood

³Also consistent with other *F. tularensis* subspecies

Date: 05 JAN 2009

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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