

Certificate of Analysis for NR-8047

Francisella tularensis subsp. novicida, "Two-Allele" Transposon Mutant Library, Plate 13 (tnfn1_pw060328p05)

Catalog No. NR-8047

Product Description: NR-8047 represents Plate 13 (tnfn1_pw060328p05) of the "two-allele" 3050-member sublibrary of a comprehensive 16508-member transposon mutant library of sequence-defined transposon insertion mutants of *Francisella tularensis* subsp. *novicida*, strain U112. Note: NR-8047, Lot 59368068 does not contain strain tnfn1_pw060328p08q143 (Well C06) or strain tnfn1_pw060328p05q123 (Well G03).

Lot¹: 59368068 Manufacturing Date: 07OCT2010

TEST	SPECIFICATIONS	RESULTS
Viability (post-freeze) ¹	Report results	Growth from all inoculated wells ²
Purity (post-freeze) ¹	Report results	Single colony type consistent with F. tularensis subsp. novicida from all wells

¹²⁴ hours at 37°C and aerobic atmosphere on chocolate agar

Date: 06 JUN 2011 Signature:

Title: Technical Manager, BEI Authentication or designee

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²Strain tnfn1_pw060328p05q123 (Well G03) did not show growth after 24 hours for this lot.