

Certificate of Analysis for NR-8054

Francisella tularensis subsp. novicida, "Two-Allele" Transposon Mutant Library, Plate 20 (tnfn1_pw060418p04)

Catalog No. NR-8054

Product Description: NR-8054 represents Plate 20 (tnfn1_pw060418p04) 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.

Lot¹: 59368075 Manufacturing Date: 03AUG2010

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

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

Date: 14 MAR 2011 Signature:

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.

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²For some strains, two colony sizes were observed. The size differential was noted by the depositor to be common for mutants of this type.