

## **Certificate of Analysis for NR-8048**

Francisella tularensis subsp. novicida, "Two-Allele" Transposon Mutant Library, Plate 14 (tnfn1\_pw060328p06)

Catalog No. NR-8048

**Product Description:** NR-8048 represents Plate 14 (tnfn1\_pw060328p06) 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.

Lot<sup>1</sup>: 59368069 Manufacturing Date: 04MAR2011

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

<sup>124</sup> hours at 37°C and aerobic atmosphere on chocolate agar

Date: 23 JUN 2011 Signature:

Title: Technical Manager, BEI Authentication or designee

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