

## **Certificate of Analysis for NR-8057**

Francisella tularensis subsp. novicida, "Two-Allele" Transposon Mutant Library, Plate 23 (tnfn1\_pw060419p03)

Catalog No. NR-8057

**Product Description:** NR-8057 represents Plate 23 (tnfn1\_pw060419p03) 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>: 57926692 Manufacturing Date: 21DEC2007

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

<sup>&</sup>lt;sup>1</sup>24 hours at 37°C and aerobic atmosphere with 5% CO<sub>2</sub> on chocolate agar

**Date:** 20 JUL 2009 **Signature:** Signature on File

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

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