

***Mycobacterium tuberculosis*, Strain CDC1551, Transposon Mutant 92 (MT2801.1, Rv2730)**

**Catalog No. NR-14876**

**Product Description:** *Mycobacterium tuberculosis* (*M. tuberculosis*), transposon mutant 92 was created by disruption of a hypothetical protein (MT2801.1, Rv2730) of the wild-type strain CDC1551. *M. tuberculosis*, strain CDC1551 is a clinical isolate that exhibited high levels of infectivity and virulence during a tuberculosis outbreak that occurred in rural Kentucky and Tennessee from 1994 to 1996.

**Lot<sup>1</sup>: 62675989**

**Manufacturing Date: 25JUN2014**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Lowenstein-Jensen (LJ) agar <sup>2</sup> Tryptic Soy agar <sup>2</sup> Acid-fast stain Antibiotic Susceptibility <sup>4</sup> Kanamycin (20 µg/mL) Hygromycin (50 µg/mL)	Report results Report results Positive (red colonies)  Resistant Susceptible	Growth Growth <sup>3</sup> Positive (red colonies)  Resistant Susceptible
<b>Point of Insertion<sup>4,5</sup></b> Base number (TA site) relative to the start position of ORF	Report results	471

<sup>1</sup>*M. tuberculosis*, transposon mutant 92 was prepared by inoculation of a LJ agar slant (VWR Catalog No. 29447-808) with 0.1 mL of the deposited material and incubated 29 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub>.


<sup>2</sup>36 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub>

<sup>3</sup>A small number of tiny colonies were observed on the primary inoculation zone as a result of residual growth medium present in the inoculate. An acid-fast stain was performed to confirm that the colonies were *M. tuberculosis*.

<sup>4</sup>Performed on the seed material by Colorado State University under the TB Vaccine Testing and Research Materials Contract (NIH)

<sup>5</sup>The POI deviates by less than 10 base pairs from the POI reported by Johns Hopkins University.

**Date:** 22 OCT 2014

**Signature:** 

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

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