

***Mycobacterium tuberculosis*, Strain CDC1551, Transposon Mutant 1521 (MT1626, Rv1591)**

**Catalog No. NR-15454**

**Product Description:** *Mycobacterium tuberculosis* (*M. tuberculosis*), transposon mutant 1521 was created by disruption of a possible transmembrane protein (MT1626, Rv1591), 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>: 59151283**

**Manufacturing Date: 17MAR2010**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Colony morphology <sup>2</sup> Middlebrook 7H10 Agar with OADC enrichment  Lowenstein-Jensen (LJ) Agar Tryptic Soy Agar (TSA) Antibiotic Susceptibility <sup>3</sup> Kanamycin (20 µg/mL) Hygromycin (50 µg/mL)	Report results  Report results Report results  Resistant Susceptible	Irregular, peaked, rough and white (Figure 1) Growth No growth  Resistant Susceptible
<b>Point of Insertion<sup>3,4</sup></b> Base number (TA site) relative to the start position of ORF	Report results	372

<sup>1</sup>*M. tuberculosis*, transposon mutant 1521 was prepared by inoculation of a LJ agar slant (VWR Catalog No. 29447-808) with 0.1 mL of the deposited material and incubated 30 days at 37°C.

<sup>2</sup>30 days at 37°C and aerobic atmosphere

<sup>3</sup>Performed on the seed material by Colorado State University under the TB Vaccine Testing and Research Materials Contract (NIH)

<sup>4</sup>The POI deviates by less than 10 bp from the POI reported by Johns Hopkins University.

**Figure 1**



**Date:** 06 MAY 2010

**Signature:** Signature on File

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

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