

***Mycobacterium tuberculosis*, Strain CDC1551, Transposon Mutant 2685 (MT0509, Rv0490)**

**Catalog No. NR-15657**

**Product Description:** *Mycobacterium tuberculosis* (*M. tuberculosis*), transposon mutant 2685 was created by disruption of a putative two component sensor histidine kinase (MT0509, Rv0490) 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>: 62910748**

**Manufacturing Date: 19SEP2014**

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 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	161

<sup>1</sup>*M. tuberculosis*, transposon mutant 2685 was prepared by inoculation of a LJ agar slant (VWR Catalog No. 29447-808) with 0.1 mL of the deposited material and incubated 34 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub>.

<sup>2</sup>34 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub>

<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.

**Date:** 02 FEB 2015

**Signature:** 

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

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