

***Mycobacterium tuberculosis*, Strain CDC1551, Transposon Mutant 2141 (MT3507, Rv3399)**

**Catalog No. NR-18380**

**Product Description:** *Mycobacterium tuberculosis* (*M. tuberculosis*), transposon mutant 2141 was created by disruption of a possible S-adenosylmethionine-dependent methyltransferase (MT3507, Rv3399) 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>: 62471602**

**Manufacturing Date: 20MAR2014**

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 Antibiotic Susceptibility <sup>4</sup> Kanamycin (20 µg/mL) Hygromycin (50 µg/mL)	Report results Report results  Report results  Resistant Susceptible	No growth <sup>3</sup> Irregular, raised, undulate, rough and cream No growth  Resistant Susceptible
<b>Point of Insertion<sup>4,5</sup></b> Base number (TA site) relative to the start position of ORF	Report results	1045

<sup>1</sup>*M. tuberculosis*, transposon mutant 2141 was prepared by inoculation of a LJ agar slant (VWR Catalog No. 29447-808) with 0.1 mL of the deposited material and incubated 28 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub>.

<sup>2</sup>28 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub>

<sup>3</sup>NR-18380 lot 62471602 demonstrated no growth on Middlebrook 7H10 agar with OADC enrichment, however, Colorado State University observed growth of the seed material for this lot on Middlebrook 7H11 agar with OADC enrichment.

<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:** 23 JUN 2014

**Signature:** 

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

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