

***Mycobacterium tuberculosis*, Strain CDC1551, Transposon Mutant 1811 (MT2519, Rv2443)**

**Catalog No. NR-18233**

This reagent is the tangible property of the U.S. Government.

**Product Description:** *Mycobacterium tuberculosis* (*M. tuberculosis*), transposon mutant 1811 was created by disruption of a probable C4-dicarboxylate-transport transmembrane protein (MT2519, Rv2443) 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>: 70000101**

**Manufacturing Date: 06DEC2016**

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, slight peaked, undulate, rough and cream 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	770

<sup>1</sup>*M. tuberculosis*, transposon mutant 1811 was prepared by inoculation of an LJ agar slant (VWR Catalog No. 29447-808) with 0.1 mL of the deposited material and incubated for 21 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub>.

<sup>2</sup>21 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 base pairs from the POI reported by Johns Hopkins University.

**Date:** 24 OCT 2017

**Signature:**



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