

***Mycobacterium tuberculosis*, Strain CDC1551, Transposon Mutant 1843 (MT0418, Rv0405)**

**Catalog No. NR-18244**

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

**Product Description:** *Mycobacterium tuberculosis* (*M. tuberculosis*), transposon mutant 1843 was created by disruption of a probable membrane-bound polyketide synthase (MT0418, Rv0405) 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>: 70010209**

**Manufacturing Date: 07DEC2017**

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, slight peaked, 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	3804

<sup>1</sup>*M. tuberculosis*, transposon mutant 1843 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>NR-18244 lot 70010209 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 bp from the POI reported by Johns Hopkins University.

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Program Manager or designee, ATCC Federal Solutions

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