

***Mycobacterium tuberculosis*, Strain CDC1551, Transposon Mutant 1794 (MT1891, Rv1843c)**

**Catalog No. NR-18228**

**Product Description:** *Mycobacterium tuberculosis* (*M. tuberculosis*), transposon mutant 1794 was created by disruption of a probable inosine-5'-monophosphate dehydrogenase (MT1891, Rv1843c) 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>: 63168858**

**Manufacturing Date: 19DEC2014**

| TEST   | SPECIFICATIONS   | RESULTS  |
|--|--|--|
| <b>Phenotypic Analysis</b><br>Colony morphology <sup>2</sup><br>Middlebrook 7H10 agar with OADC enrichment<br><br>Lowenstein-Jensen (LJ) agar<br>Tryptic Soy agar (TSA)<br>Antibiotic Susceptibility <sup>3</sup><br>Kanamycin (20 µg/mL)<br>Hygromycin (50 µg/mL) | Report results<br><br>Report results<br>Report results<br><br>Resistant<br>Susceptible | Irregular, slight peaked, undulate, rough, opaque and cream<br><br>Growth<br>No growth<br><br>Resistant<br>Susceptible |
| <b>Point of Insertion<sup>3,4</sup></b><br>Base number (TA site) relative to the start position of ORF   | Report results   | 1095   |

<sup>1</sup>*M. tuberculosis*, transposon mutant 1794 was prepared by inoculation of a LJ agar slant (VWR Catalog No. 29447-808) with 0.1 mL of the deposited material and incubated 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 bp from the POI reported by Johns Hopkins University.

**Date:** 10 MAR 2015

**Signature:** 

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

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