

***Mycobacterium tuberculosis*, Strain CDC1551, Transposon Mutant 1925 (MT1023, Rv0994)**

**Catalog No. NR-18283**

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

**Product Description:** *Mycobacterium tuberculosis* (*M. tuberculosis*), transposon mutant 1925 was created by disruption of a probable molybdopterin biosynthesis protein (MT1023, Rv0994) 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>: 70000102**

**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) Acid-fast stain Antibiotic Susceptibility <sup>4</sup> Kanamycin (20 µg/mL) Hygromycin (50 µg/mL)	Report results  Report results Report results Positive (red colonies)  Resistant Susceptible	Irregular, slight peaked, undulate, rough and cream Growth Growth <sup>3</sup> Positive (red colonies)  Resistant Susceptible
<b>Point of Insertion<sup>4,5</sup></b> Base number (TA site) relative to the start position of ORF	Report results	1084

<sup>1</sup>*M. tuberculosis*, transposon mutant 1925 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>A small number of tiny colonies were observed on the primary inoculation zone as a result of residual growth medium present in the inoculate.

<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:** 24 OCT 2017

**Signature:**



BEI Resources Authentication

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

