

***Mycobacterium tuberculosis*, Strain CDC1551, Transposon Mutant 186 (MT0782, Rv0757)**

Catalog No. NR-14776

Product Description: *Mycobacterium tuberculosis* (*M. tuberculosis*), transposon mutant 186 was created by disruption of a DNA-binding response regulator (MT0782, Rv0757) 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.

Lot¹: 61373476

Manufacturing Date: 26NOV2012

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Acid-fast stain Colony morphology ² Middlebrook 7H10 Agar with OADC enrichment Lowenstein-Jensen (LJ) Agar Tryptic Soy Agar (TSA) Antibiotic Susceptibility ⁴ Kanamycin (20 µg/mL) Hygromycin (50 µg/mL)	Gram-positive Positive Report results Report results Report results Resistant Susceptible	Gram-positive Positive Irregular, peaked, white and rough Growth Growth ³ Resistant Susceptible
Point of Insertion^{4,5} Base number (TA site) relative to the start position of ORF	Report results	628

¹*M. tuberculosis*, transposon mutant 186 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.

²21 days at 37°C and aerobic atmosphere

³Generally, *M. tuberculosis* does not grow on TSA. It is probable that nutrients from the LJ slant were transferred to the TSA plate during inoculation, allowing growth. The colony morphology and growth time are consistent with *M. tuberculosis*. Gram stain and acid-fast stain test results are consistent with *Mycobacterium*.

⁴Performed on the seed material by Colorado State University under the TB Vaccine Testing and Research Materials Contract (NIH)

⁵The POI deviates by less than 10 bp from the POI reported by Johns Hopkins University.

Date: 11 APR 2013

Signature:



Title:

Technical Manager, BEI Authentication or designee

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