

***Mycobacterium tuberculosis*, Strain CDC1551, Transposon Mutant 418 (MT2537, Rv2462c)**

Catalog No. NR-14983

Product Description: *Mycobacterium tuberculosis* (*M. tuberculosis*), transposon mutant 418 was created by disruption of a probable trigger factor protein (MT2537, Rv2462c) 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: 63168850

Manufacturing Date: 19DEC2014

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis 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)	Report results Report results Report results Resistant Susceptible	Irregular, slight peaked, undulate, rough, opaque and cream Growth Growth ³ Resistant Susceptible
Point of Insertion^{4,5} Base number (TA site) relative to the start position of ORF	Report results	41

¹*M. tuberculosis*, transposon mutant 418 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% CO₂.

²21 days at 37°C in an aerobic atmosphere with 5% CO₂

³A small number of tiny colonies were observed on the primary inoculation zone as a result of residual growth medium present in the inoculate.

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: 09 MAR 2015

Signature:



Title:

Technical Manager, BEI Authentication or designee

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