

***Mycobacterium tuberculosis*, Strain CDC1551, Transposon Mutant 47 (MT0528, Rv0507)**

Catalog No. NR-13488

Product Description: *Mycobacterium tuberculosis* (*M. tuberculosis*), transposon mutant 47 was created by disruption of a possible conserved transmembrane transport protein MMPL2 (MT0528, Rv0507), 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: 59151230

Manufacturing Date: 17MAR2010

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Colony morphology ² Middlebrook 7H10 Agar with OADC enrichment Lowenstein-Jensen (LJ) Agar Tryptic Soy Agar (TSA) Antibiotic Susceptibility ³ Kanamycin (20 µg/mL) Hygromycin (50 µg/mL)	Report results Report results Report results Resistant Susceptible	Irregular, peaked, rough and white (Figure 1) Growth No growth Resistant Susceptible
Point of Insertion^{3,4} Base number (TA site) relative to the start position of ORF	Report results	297

¹*M. tuberculosis*, transposon mutant 47 was prepared by inoculation of a LJ agar slant (VWR Catalog No. 29447-808) with 0.1 mL of the deposited material and incubated 30 days at 37°C.

²30 days at 37°C and aerobic atmosphere

³Performed on the seed material by Colorado State University under the TB Vaccine Testing and Research Materials Contract (NIH)

⁴The POI deviates by less than 10 bp from the POI reported by Johns Hopkins University.

Figure 1



Date: 06 MAY 2010

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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