

***Mycobacterium tuberculosis*, Strain CDC1551, Transposon Mutant 1753 (MT0154, Rv0146)**

Catalog No. NR-15709

Product Description: *Mycobacterium tuberculosis* (*M. tuberculosis*), transposon mutant 1753 was created by disruption of a conserved hypothetical protein (MT0154, Rv0146) 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: 62471605

Manufacturing Date: 20MAR2014

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Colony morphology ² Middlebrook 7H10 agar with OADC enrichment Lowenstein-Jensen (LJ) agar Tryptic Soy agar Antibiotic Susceptibility ³ Kanamycin (20 µg/mL) Hygromycin (50 µg/mL)	Report results Report results Report results Resistant Susceptible	No growth ³ Irregular, raised, undulate, rough and cream No growth Resistant Susceptible
Point of Insertion^{4,5} Base number (TA site) relative to the start position of ORF	Report results	289

¹*M. tuberculosis*, transposon mutant 1753 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

³NR-15709 lot 62471605 demonstrated no growth on Middlebrook 7H10 agar with OADC enrichment, however, Colorado State University observed growth of the seed material for this lot on Middlebrook 7H11 agar with OADC enrichment.

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: 31 JUL 2014

Signature:



Title:

Technical Manager, BEI Authentication or designee

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