

Certificate of Analysis for NR-15116

***Mycobacterium tuberculosis*, Strain CDC1551, Transposon Mutant 965 (MT0088, Rv0081)**

Catalog No. NR-15116

Product Description: *Mycobacterium tuberculosis* (*M. tuberculosis*), transposon mutant 965 was created by disruption of a probable transcriptional regulatory protein (MT0088, Rv0081) 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: 63858661

Manufacturing Date: 16NOV2015

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	Irregular, raised, undulate, opaque, rough and cream Growth No growth Resistant Susceptible
Point of Insertion^{3,4} Base number (TA site) relative to the start position of ORF	Report results	172

¹*M. tuberculosis*, transposon mutant 965 was prepared by inoculation of a LJ agar slant (VWR Catalog No. 29447-808) with 0.1 mL of the deposited material and incubated 36 days at 37°C in an aerobic atmosphere with 5% CO₂.

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

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.

Date: 08 MAR 2016

Signature:



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