

***Mycobacterium tuberculosis*, Strain CDC1551, Transposon Mutant 2111 (MT3104, Rv3019c)**

Catalog No. NR-15158

Product Description: *Mycobacterium tuberculosis* (*M. tuberculosis*), transposon mutant 2111 was created by disruption of a secreted ESAT-6-like protein (MT3104, Rv3019c) 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: 61859837

Manufacturing Date: 28JUN2013

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, peaked, white and rough Growth No growth Resistant Susceptible
Point of Insertion^{3,4} Base number (TA site) relative to the start position of ORF	Report results	184

¹*M. tuberculosis*, transposon mutant 2111 was prepared by inoculation of a LJ agar slant (VWR Catalog No. 29447-808) with 0.1 mL of the deposited material and incubated 31 days at 37°C.

²31 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.

Date: 30 OCT 2013

Signature:



Title: Technical Manager, BEI Authentication or designee

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