

***Mycobacterium tuberculosis*, Strain CDC1551, Transposon Mutant 1612 (MT3656, Rv3552)**

Catalog No. NR-15654

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Product Description: *Mycobacterium tuberculosis* (*M. tuberculosis*), transposon mutant 1612 was created by disruption of a probable COA-transferase (beta subunit) (MT3656, Rv3552) 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: 2273

Manufacturing Date: 06DEC2016

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Colony morphology ² Middlebrook 7H10 agar with OADC enrichment Lowenstein-Jensen (LJ) agar Tryptic Soy agar (TSA) Acid-fast stain Antibiotic Susceptibility ⁴ Kanamycin (20 µg/mL) Hygromycin (50 µg/mL)	Report results Report results Report results Positive (red colonies) Resistant Susceptible	Irregular, slightly peaked, undulate, rough and cream Growth Growth ³ Positive (red colonies) Resistant Susceptible
Point of Insertion^{4,5} Base number (TA site) relative to the start position of ORF	Report results	589

¹*M. tuberculosis*, transposon mutant 1612 was prepared by inoculation of an LJ agar slant (VWR Catalog No. 29447-808) with 0.1 mL of the deposited material and incubated for 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 base pairs from the POI reported by Johns Hopkins University.

Date: 24 AUG 2017

Signature:



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