

***Mycobacterium tuberculosis*, Strain CDC1551, Transposon Mutant 480 (MT2572, Rv2497c)**

Catalog No. NR-17889

This reagent is the tangible property of the U.S. Government.

Product Description: *Mycobacterium tuberculosis* (*M. tuberculosis*), transposon mutant 480 was created by disruption of a probable branched-chain keto acid dehydrogenase E1 component (alpha subunit) (MT2572, Rv2497c) 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: 70002732

Manufacturing Date: 24APR2017

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, raised, undulate, rough, opaque 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	319

¹*M. tuberculosis*, transposon mutant 480 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 30 days at 37°C in an aerobic atmosphere with 5% CO₂.

²30 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 base pairs from the POI reported by Johns Hopkins University.

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Program Manager or designee, ATCC Federal Solutions

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