

***Mycobacterium tuberculosis*, Strain CDC1551, Transposon Mutant 197 (MT2776, Rv2702)**
Catalog No. NR-14899

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

Product Description: *Mycobacterium tuberculosis* (*M. tuberculosis*), transposon mutant 197 was created by disruption of a polyphosphate-glucose phosphotransferase (MT2776, Rv2702) 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: 70019644
Manufacturing Date: 16NOV2018

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Colony morphology ² Middlebrook 7H10 agar with OADC enrichment Lowenstein-Jensen (LJ) agar Tryptic Soy agar 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, slight peaked, undulate, cream and rough Growth Growth ³ Positive (red colonies) Resistant Susceptible
Purity (post-freeze) Middlebrook 7H10 agar with OADC enrichment ⁵ Tryptic Soy agar ⁶	Growth consistent with expected colony morphology Report results	Growth consistent with expected colony morphology Growth consistent with expected colony morphology
Point of Insertion^{4,7} Base number (TA site) relative to the start position of ORF	Report results	491

¹NR-14899 was produced by inoculation of the deposited material into Middlebrook 7H9 broth with ADC enrichment. Broth inoculum was added to Middlebrook 7H10 agar with OADC enrichment kolles, which were grown for 30 days at 37°C in an aerobic atmosphere with 5% CO₂ to produce this lot.

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)

⁵Purity of this lot was assessed for 49 days at 37°C in an aerobic atmosphere with 5% CO₂.

⁶Purity of this lot was assessed for 21 days at 37°C in an aerobic atmosphere with 5% CO₂.

⁷The POI deviates by less than 10 base pairs from the POI reported by Johns Hopkins University.

/Heather Couch/

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Program Manager or designee, ATCC Federal Solutions

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