

***Mycobacterium tuberculosis*, Strain CDC1551, Transposon Mutant 1493 (MT0185, Rv0176)**

Catalog No. NR-18138

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

Product Description:

Mycobacterium tuberculosis (*M. tuberculosis*), transposon mutant 1493 was created by disruption of a probable conserved MCE-associated transmembrane protein (MT0185, Rv0176) 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.

Lot: 70024910¹

Manufacturing Date: 29MAY2019

| 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 ³ 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 Positive (red colonies) Resistant Susceptible |
| Purity (post-freeze) Middlebrook 7H10 agar with OADC enrichment ⁴ Tryptic Soy agar ⁵ | Growth consistent with expected colony morphology Report results | Growth consistent with expected colony morphology Growth consistent with expected colony morphology |
| Point of Insertion^{3,6} Base number (TA site) relative to the start position of ORF | Report results | 174 |

¹NR-18138 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 41 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

³Performed on the seed material by Colorado State University under the TB Vaccine Testing and Research Materials Contract (NIH)

⁴Purity of this lot was assessed for 37 days at 37°C in an aerobic atmosphere with 5% CO₂.

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

⁶The POI deviates by less than 10 base pairs from the POI reported by Johns Hopkins University.

/Heather Couch/

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06 DEC 2019

Program Manager or designee, ATCC Federal Solutions

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