

***Mycobacterium tuberculosis*, Strain CDC1551, Transposon Mutant 72 (MT0137, Rv0129c)**

Catalog No. NR-13498

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Product Description:

Mycobacterium tuberculosis (*M. tuberculosis*), transposon mutant 72 was created by disruption of secreted antigen 85 complex C (MT0137, Rv0129c) 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. NR-13498 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 22 days at 37°C in an aerobic atmosphere with 5% CO₂ to produce this lot.

Lot: 70040241

Manufacturing Date: 19MAR2021

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TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Colony morphology 28 days at 37°C in an aerobic atmosphere with 5% CO ₂ Middlebrook 7H10 agar with OADC enrichment Lowenstein-Jensen (LJ) agar Tryptic Soy agar Acid-fast stain Antibiotic Susceptibility ¹ Kanamycin (20 µg/mL) Hygromycin (50 µg/mL)	Report results Report results Report results Positive (red colonies) Resistant Susceptible	Irregular, peaked, undulate, cream and rough (Figure 1) Growth Growth Positive (red colonies) Resistant Susceptible
Purity (post-freeze) Middlebrook 7H10 agar with OADC enrichment 30 days at 37°C in an aerobic atmosphere with 5% CO ₂ Tryptic Soy agar 28 days at 37°C in an aerobic atmosphere with 5% CO ₂	Growth consistent with expected colony morphology Report results	Growth consistent with expected colony morphology Growth consistent with expected colony morphology
Point of Insertion^{1,2} Base number (TA site) relative to the start position of ORF	Report results	291

¹Performed on the seed material by Colorado State University under the TB Vaccine Testing and Research Materials Contract (NIH)

²The POI deviates by less than 10 bp from the POI reported by Johns Hopkins University.

Figure 1: Colony Morphology



/Sonia Bjorum Brower/

Sonia Bjorum Brower

16 JUL 2025

Technical Manager or designee, ATCC Federal Solutions

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