

***Mycobacterium abscessus*, Strain DJO-44274**

Catalog No. NR-49093

Product Description:

Mycobacterium abscessus (*M. abscessus*), strain DJO-44274 was isolated from an unknown source at the University of Texas Health Science Center at Tyler, Tyler, Texas, USA. NR-49093 was produced by inoculation of BEI Resources seed lot 63066977 into Middlebrook 7H9 broth with ADC enrichment and grown for 6 days at 37°C in an aerobic atmosphere with 5% CO₂. Broth inoculum was added to Middlebrook 7H10 (M7H10) agar with OADC enrichment kolles, which were grown for 7 days at 37°C in an aerobic atmosphere with 5% CO₂ to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

Lot: 70039244

Manufacturing Date: 12OCT2020

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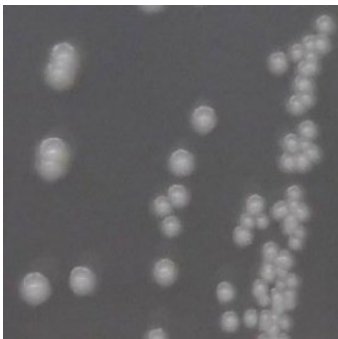
TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis¹ Cellular morphology ² Colony morphology ² Motility (wet mount) Growth rate Acid-fast stain VITEK [®] MS (MALDI-TOF)	Gram-positive rods Report results Non-motile ≤ 7 days Positive (red colonies) <i>M. abscessus</i>	Gram-positive rods Circular, convex, undulate, opaque and cream (Figure 1) Non-motile 7 days Positive (red colonies) <i>M. abscessus</i> (99.9%)
Phenotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1400 base pairs) Sequencing of Heat Shock Protein 65 gene (~ 420 base pairs)	≥ 99% sequence identity to <i>M. abscessus</i> type strain (GenBank: AP018436.1) ≥ 99% sequence identity to <i>M. abscessus</i> type strain (GenBank: AP018436.1)	99.9% sequence identity to <i>M. abscessus</i> type strain (GenBank: AP018436.1) ³ 99.3% sequence identity to <i>M. abscessus</i> type strain (GenBank: AP018436.1)
Purity (post-freeze) M7H10 agar with OADC enrichment ² 9 days at 37°C in an aerobic atmosphere with 5% CO ₂ Tryptic Soy agar 9 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
Viability (post-freeze)	Growth	Growth

¹Information on *Mycobacterium* testing is available from Ribón, W. "Biochemical Isolation and Identification of Mycobacteria, Biochemical Testing." *Biochemical Testing*. (2012) Jose C. Jimenez-Lopez (Ed.), InTech, Available from: [Biochemical Isolation and Identification of Mycobacteria](#).

²M7H10 agar with OADC enrichment contains malachite green, which may inhibit growth of contaminating microorganisms

³Also consistent with *M. abscessus* subsp. *abscessus*, *M. abscessus* subsp. *bolletii*, *M. abscessus* subsp. *massiliense* and *M. chelonae*

Figure 1: Colony Morphology



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28 JUN 2023

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