

Mycobacterium abscessus, Strain MC1518

Catalog No. NR-44266

Product Description:

Mycobacterium abscessus (*M. abscessus*), strain MC1518 was isolated between 2009 and 2013 from a human leg abscess in the USA. NR-44266 was produced by inoculation of BEI Resources seed lot 62009738 into Middlebrook 7H9 broth with ADC enrichment and grown for 4 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 3 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: 70082636

Manufacturing Date: 01MAY2026

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TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis¹ Cellular morphology 3 days at 37°C in an aerobic atmosphere with 5% CO ₂ on M7H10 agar with OADC enrichment Colony morphology 3 days at 37°C in an aerobic atmosphere with 5% CO ₂ on M7H10 agar with OADC enrichment Motility Hardy Diagnostics™ Motility Test Medium with TTC Indicator for 4 days at 37°C in an aerobic atmosphere 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, low convex, entire, smooth and cream Motile² 3 days Positive (red colonies) <i>M. abscessus</i> (95.7%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1390 base pairs) Sequencing of Heat Shock Protein 65 gene (~ 440 base pairs)	≥ 99% sequence identity to <i>M. abscessus</i> type strain (GenBank: CU458896.1) ≥ 99% sequence identity to <i>M. abscessus</i> type strain (GenBank: CU458896.1)	100% sequence identity to <i>M. abscessus</i> type strain (GenBank: CU458896.1) ³ 99.8% sequence identity to <i>M. abscessus</i> type strain (GenBank: CU458896.1)
Purity (post-freeze) M7H10 agar with OADC enrichment ⁴ 7 days at 37°C in an aerobic atmosphere with 5% CO ₂ Tryptic Soy agar 7 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)² 3 days at 37°C in an aerobic atmosphere with 5% CO ₂ on M7H10 agar with OADC enrichment	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: <http://www.intechopen.com/books/biochemical-testing/biochemical-isolation-and-identification-of-mycobacteria>.

²Mycobacteria may exhibit sliding motility (Martínez, A., S. Torello and R. Kolter. "Sliding Motility in Mycobacteria." *J. Bacteriol.* 181 (1999): 7331-7338. PubMed: 10572138.).

³Also consistent with other members of the *M. abscessus* complex

⁴M7H10 agar with OADC enrichment contains malachite green, which may inhibit growth of contaminating microorganisms

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