

Acinetobacter baumannii, Strain HUMC1

Catalog No. NR-53950

Product Description:

Acinetobacter baumannii (*A. baumannii*), strain HUMC1 was isolated in 2009 from a human blood and sputum sample at Harbor-UCLA Medical Center, California, USA. NR-53950 was deposited as multi-locus sequence type (MLST) ST 206, resistant to carbapenems. NR-53950 was produced by inoculation of the deposited material into Tryptic Soy broth and grown for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar kolles, which were grown for 1 day at 37°C in an aerobic atmosphere to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

Lot: 70074168

Manufacturing Date: 20FEB2025

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TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Motility Hardy Diagnostics™ Motility Test Medium with TTC Indicator for 1 day at 37°C in an aerobic atmosphere VITEK® MS (MALDI-TOF)	Gram-negative rods Report results Report results <i>A. baumannii</i>	Gram-negative rods Circular, convex, entire, smooth, and cream (Figure 1) Non-motile <i>A. baumannii</i> (99.9%)
Antibiotic Susceptibility Profile^{1,2} Amikacin Meropenem Polymyxin B	Resistant Resistant Sensitive	Resistant (> 256 µg/mL) Resistant (> 32 µg/mL) Sensitive (0.75 µg/mL)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1450 base pairs)	≥ 99% sequence identity to <i>A. baumannii</i> , strain HUMC1 (GenBank: LQRQ01000007.1)	100% sequence identity to <i>A. baumannii</i> , strain HUMC1 (GenBank: LQRQ01000007.1) ³
Purity 7 days at 37°C in an aerobic atmosphere with and without 5% CO ₂ on Tryptic Soy agar	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability	Growth	Growth

¹Minimum Inhibitory Concentration (MIC); MIC Interpretation Guideline: CLSI M100-S28 (2018)

²Antibiotic susceptibility was tested by ETEST®.

³Also consistent with other *Acinetobacter* species

Figure 1: Colony Morphology

/Sonia Bjorum Brower/

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Technical Manager or designee, ATCC Federal Solutions

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