

Acinetobacter baumannii, Strain MRSN 959

Catalog No. NR-52151

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Product Description:

Acinetobacter baumannii (*A. baumannii*), strain MRSN 959 was isolated in 2008 from a human wound in the USA as part of a global surveillance program. *A. baumannii*, strain MRSN 959 was deposited as multi-locus sequence type (MLST) ST 1, sensitive to colistin and tetracycline and resistant to amikacin, ampicillin/sulbactam, cefepime, ceftazidime, ceftriaxone, ciprofloxacin, gentamicin, imipenem, levofloxacin, meropenem, tobramycin and trimethoprim/sulfamethoxazole. NR-52151 was produced by inoculation of BEI Resources seed lot 70038255 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: 70078607

Manufacturing Date: 01OCT2025

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TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphologies ¹ Growth at 44°C ± 2°C ² 1 day in an aerobic atmosphere on Tryptic Soy agar 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 Growth Report results <i>A. baumannii</i>	Gram-negative rods Colony type 1: Circular, convex, entire, smooth and cream (Figure 1) Colony type 2: Circular, low convex, undulate, smooth and cream (Figure 1) Growth Motile <i>A. baumannii</i> (99.9%)
Antibiotic Susceptibility Profile^{3,4} Amikacin Ampicillin/sulbactam Ceftriaxone Ceftazidime Ciprofloxacin Gentamicin Imipenem Levofloxacin Meropenem Trimethoprim/sulfamethoxazole Tobramycin Tetracycline	Resistant Resistant Resistant Resistant Resistant Resistant Resistant Resistant Resistant Resistant Resistant Resistant Intermediate	Resistant (≥ 256 µg/mL) Resistant (≥ 256 µg/mL) Resistant (≥ 64 µg/mL) Resistant (≥ 64 µg/mL) Resistant (≥ 4 µg/mL) Resistant (≥ 16 µg/mL) Resistant (≥ 32 µg/mL) Resistant (64 µg/mL) Resistant (≥ 16 µg/mL) Resistant (≥ 320 µg/mL) Intermediate (8 µg/mL) ⁵ Sensitive (2 µg/mL)⁶
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (1440 base pairs)	≥ 99% sequence identity to <i>A. baumannii</i> , strain MRSN 959 (GenBank: VHDS01000075.1)	100% sequence identity to <i>A. baumannii</i> , strain MRSN 959 (GenBank: VHDS01000075.1)

Certificate of Analysis for NR-52151

TEST	SPECIFICATIONS	RESULTS
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

¹Two colony types were observed. VITEK® MS (MALDI-TOF) analysis identified cells from both colony types as *A. baumannii*.

²Growth at 44°C differentiates *A. baumannii* from *A. calcoaceticus* and *A. pittii*, which do not grow at 44°C.

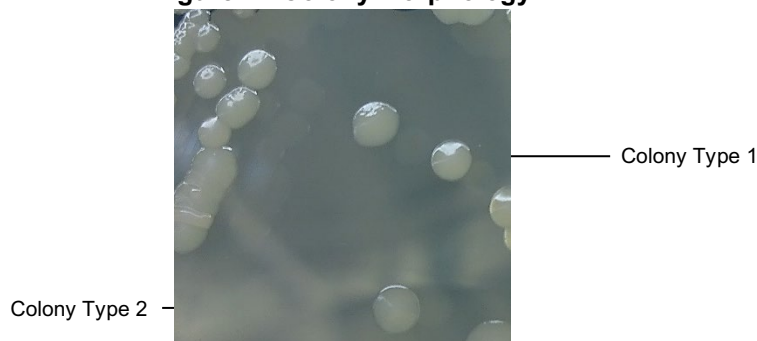
³Minimum Inhibitory Concentration (MIC); MIC Interpretation Guideline: CLSI M100-S28 (2018)

⁴Antibiotic susceptibility was tested using a combination of VITEK®2 GN81 and E-test strips.

⁵The susceptibility result for this antibiotic is within one doubling dilution of specification, which is considered an equivalent result.

⁶*A. baumannii*, strain MRSN 959 was deposited as sensitive to tetracycline and was found to be intermediately resistant for lot 70038239, but showed a MIC of 2 µg/mL (interpreted as sensitive) for lot 70078607 during QC testing.

Figure 1: Colony Morphology



/Sonia Bjorum Brower/

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13 JAN 2026

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