

Acinetobacter baumannii, Strain MRSN 30909

Catalog No. NR-52216

This reagent is the tangible property of the U.S. Government.

Product Description:

Acinetobacter baumannii (*A. baumannii*), strain MRSN 30909 was isolated in 2003 from a human specimen in Europe as part of a global surveillance program. *A. baumannii*, strain MRSN 30909 was deposited as multi-locus sequence type (MLST) ST 32, sensitive to amikacin, ampicillin/sulbactam, cefepime, ceftazidime, ciprofloxacin, colistin, gentamicin, imipenem, levofloxacin, meropenem, tetracycline, trimethoprim/sulfamethoxazole and tobramycin and intermediately resistant to ceftriaxone. NR-52216 was produced by inoculation of BEI Resources seed lot 70042473 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: 70061178

Manufacturing Date: 07JUN2023

BEI Resources is committed to ensuring digital accessibility for people with disabilities. This Certificate of Analysis contains complex tables and may not be fully accessible. Please let us know if you encounter accessibility barriers and a fully accessible document will be provided: E-mail: Contact@BEIResources.org. We try to respond to feedback within 24 hours.

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Growth at 44°C ± 2°C ¹ 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 Circular, convex, entire, smooth and cream (Figure 1) Growth Non-motile <i>A. baumannii</i> (99.9%)
Antibiotic Susceptibility Profile^{2,3} Amikacin Ampicillin/sulbactam Cefepime Ceftriaxone Ceftazidime Ciprofloxacin Colistin Gentamicin Imipenem Levofloxacin Meropenem Trimethoprim/sulfamethoxazole Tobramycin Tetracycline	Sensitive Sensitive Sensitive Intermediate Sensitive Sensitive Sensitive Sensitive Sensitive Sensitive Sensitive Sensitive Sensitive Sensitive Sensitive Sensitive Intermediate	Sensitive (2 µg/mL) Sensitive (1.5 µg/mL) Sensitive (3 µg/mL) Intermediate (16 µg/mL) Sensitive (8 µg/mL) Sensitive (≤ 0.25 µg/mL) Sensitive (≤ 0.25 µg/mL) ⁴ Sensitive (≤ 1 µg/mL) Sensitive (0.38 µg/mL) Sensitive (≤ 0.12 µg/mL) Sensitive (0.5 µg/mL) Sensitive (≤ 20 µg/mL) Sensitive (≤ 1 µg/mL) Sensitive (3 µg/mL) ⁵
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1480 base pairs)	≥ 99% sequence identity to <i>A. baumannii</i> , strain MRSN 30909 (GenBank: VFHY01000082.1)	100% sequence identity to <i>A. baumannii</i> , strain MRSN 30909 (GenBank: VFHY01000082.1)

Certificate of Analysis for NR-52216

TEST	SPECIFICATIONS	RESULTS
Purity 7 days at 37°C in an aerobic atmosphere with 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability	Growth	Growth

¹Growth at 44°C differentiates *A. baumannii* from *A. calcoaceticus* and *A. pittii*, which do not grow at 44°C.

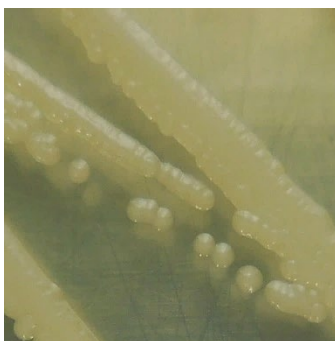
²Minimum Inhibitory Concentration (MIC); MIC Interpretation Guideline: CLSI M100-S28 (2018)

³Antibiotic susceptibility was tested using a combination of VITEK®2 GN81 and E-test strips.

⁴Testing was performed on BEI Resources seed lot 70042473.

⁵*A. baumannii*, strain MRSN 30909 was deposited as sensitive to tetracycline and was found to be intermediately resistant for lot 70042472, but showed a MIC of 3 µg/mL (interpreted as sensitive) for lot 70061178 during QC testing. Testing was performed in duplicate.

Figure 1: Colony Morphology



/Sonia Bjorum Brower/

Sonia Bjorum Brower

29 NOV 2023

Technical Manager or designee, ATCC Federal Solutions

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

