

***Acinetobacter baumannii*, Strain IS-123**

Catalog No. NR-17787

Product Description: *Acinetobacter baumannii* (*A. baumannii*), strain IS-123 is a human isolate collected in February 2009 from the wound of a patient at Ibn Sina, Iraq.

Lot¹: 70018988

Manufacturing Date: 19SEP2018

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphologies ^{2,3} Growth at 44°C ± 2°C ^{4,5} Motility (wet mount) Biochemical tests: Catalase Oxidase VITEK [®] Mass Spectrometry (MALDI-TOF)	Gram-negative rods Report results Growth Report results Positive Negative Consistent with <i>A. baumannii</i>	Gram-negative rods Colony type 1: Circular, convex, entire, smooth and pale gray Colony type 2: Circular, low convex, entire, smooth and gray Growth Non-motile Positive Negative Consistent with <i>A. baumannii</i> complex ⁶
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1490 base pairs)	≥ 99% sequence identity to <i>A. baumannii</i> , strain IS-123 (GenBank: ALII01000002.1)	99.9% sequence identity to <i>A. baumannii</i> , strain IS-123 (GenBank: ALII01000002.1)
Purity (post-freeze)⁷	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability (post-freeze)²	Growth	Growth

¹NR-17787 lot 70018988 was produced by inoculation of BEI Resources NRS-17787 lot 63305791 into Tryptic Soy broth and incubated for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar kolles and incubated for 1 day at 37°C in an aerobic atmosphere to produce this lot.

²1 day at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

³Two colony types were observed. Plating of the individual colony types showed that they did not revert to the mixed colony type. VITEK[®] MS (MALDI-TOF) analysis identified cells from both colony types as *A. baumannii*. The 16S ribosomal RNA gene of each colony type was sequenced and found to have 100% sequence identity to the other colony type and ≥ 99.9% sequence identity to *A. baumannii*, strain IS-123 (GenBank: ALII01000002.1)

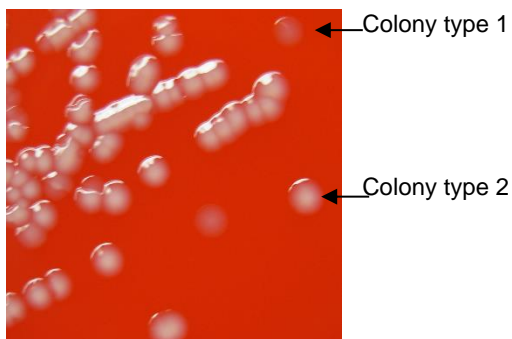
⁴1 day at 44°C ± 2°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

⁵Growth at 44°C ± 2°C differentiates *A. baumannii* from *A. calcoaceticus* and *A. pittii*, which do not grow at 44°C ± 2°C.

⁶*A. baumannii* complex species include *A. baumannii*, *A. calcoaceticus*, *A. pittii* and *A. nosocomialis*.

⁷Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood.

Figure 1: Colony Morphology



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