

***Acinetobacter baumannii*, Strain BC-5**

Catalog No. NR-17783

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Product Description:

Acinetobacter baumannii (*A. baumannii*), strain BC-5 was isolated in 2007 from a nosocomial spread of war-related multi-drug resistant *A. baumannii* in a civilian hospital in British Columbia, Canada. The infection originated from a soldier who was evacuated from Landstuhl Regional Medical Center in Landstuhl, Germany. NR-17783 was produced by inoculation of BEI Resources seed lot 62711017 into Tryptic Soy broth and grown for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Nutrient agar kolles, which were grown for 1 day at 37°C in an aerobic atmosphere to produce this lot. Quality control testing was completed on Tryptic Soy agar under propagation conditions unless otherwise noted.

Lot: 70056124

Manufacturing Date: 12OCT2022

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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 (wet mount) Biochemical characterization Catalase Oxidase VITEK® MS (MALDI-TOF)	Gram-negative rods Report results Growth Report results Positive Negative <i>A. baumannii</i>	Gram-negative rods Circular, convex, entire, smooth and cream Growth Non-motile Positive Negative <i>A. baumannii</i> (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1470 base pairs)	≥ 99% sequence identity to <i>A. baumannii</i> , strain BC-5 (GenBank: AFDN01000002.1)	100% sequence identity to <i>A. baumannii</i> , strain BC-5 (GenBank: AFDN01000002.1)
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

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

/Sonia Bjorum Brower/

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11 OCT 2023

Technical Manager or designee, ATCC Federal Solutions

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