

Acinetobacter baumannii, Strain BC-5

Catalog No. NR-17783

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.

Lot¹: 62711008

Manufacturing Date: 20JUN2014

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Growth at 44°C ^{3,4} Motility (wet mount) Biochemical characterization: VITEK [®] 2 Compact (GN Card) VITEK [®] Mass Spectrometry (MALDI-TOF) Biolog [™] GEN III MicroPlate System ³ Catalase Oxidase	Gram-negative rods Report results Growth Non-motile Consistent with <i>A. baumannii</i> Consistent with <i>A. baumannii</i> Consistent with <i>A. baumannii</i> Positive Negative	Gram-negative rods Circular, convex, entire, smooth and cream (Figure 1) Growth Non-motile Consistent with <i>A. baumannii</i> complex ^{4,5} Consistent with <i>A. baumannii</i> complex ^{4,5} Consistent with <i>A. baumannii/A. pittii</i> ⁴ Positive Negative
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1460 base pairs)	Consistent with <i>A. baumannii</i>	Consistent with <i>A. baumannii</i> ⁵
Purity (post-freeze)⁶	Growth consistent with <i>A. baumannii</i>	Growth consistent with <i>A. baumannii</i>
Viability (post-freeze)²	Growth	Growth

¹NR-17783 was produced by inoculation of the deposited material into Tryptic Soy broth and incubated 23 hours at 37°C in an aerobic atmosphere.

Broth inoculum was added to Nutrient agar kolles which were grown 25 hours at 37°C in an aerobic atmosphere to produce this lot.

²20 hours at 37°C in an aerobic atmosphere on Tryptic Soy agar

³20 hours at 45°C in an aerobic atmosphere on Tryptic Soy agar

⁴*A. baumannii* complex species include *A. baumannii*, *A. calcoaceticus*, *A. pittii* and *A. nosocomialis*.

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

⁶≥ 99% identical to *A. baumannii*, strain BC-5 (GenBank: AFDN01000001.1 and AFDN01000002.1)

⁶Purity of this lot was assessed for 7 days on Tryptic Soy agar at approximately 37°C in an aerobic atmosphere with and without 5% CO₂.

Figure 1



Date: 26 AUG 2014

Signature:

Title: Technical Manager, BEI Authentication or designee

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