

***Acinetobacter baumannii*, Strain OIFC109**

**Catalog No. NR-17780**

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**Product Description:** *Acinetobacter baumannii* (*A. baumannii*), strain OIFC109 is a human isolate collected in July 2003 from the residual limb wound of a patient at the Walter Reed Army Medical Center, Washington, D.C., USA.

**Lot<sup>1</sup>: 70015105**

**Manufacturing Date: 09MAY2018**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphologies <sup>2,3</sup>  Growth at 44°C <sup>4,5</sup> Motility (wet mount) VITEK® MS (MALDI-TOF)	Gram-negative rods Report results  Growth Report results <i>A. baumannii</i> Complex	Gram-negative rods Colony type 1: Circular, low convex, entire, opaque, smooth and cream (Figure 1) Colony type 2: Circular, flat, entire, translucent and smooth (Figure 1) Growth Non-motile <i>A. baumannii</i> Complex (99.9%)
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1450 base pairs)	≥ 99% sequence identity to <i>A. baumannii</i> , strain OIFC109 (GenBank: ALAL01000012.1)	100% sequence identity to <i>A. baumannii</i> , strain OIFC109 (GenBank: ALAL01000012.1)
<b>Purity (post-freeze)<sup>6</sup></b>	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
<b>Viability (post-freeze)<sup>2</sup></b>	Growth	Growth

<sup>1</sup>NR-17780 lot 70015105 was produced by the inoculation of BEI Resources NRS-17780 lot 62711020 into Nutrient 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.

<sup>2</sup>1 day at 37°C in an aerobic atmosphere on Nutrient agar

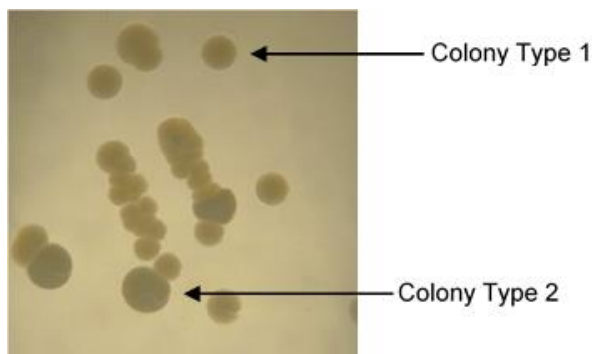
<sup>3</sup>Two colony types were observed. Plating of the individual colony types showed that they did not revert to the mixed colony type. VITEK® MS (MALDI-TOF) analysis identified cells from both colony types as *A. baumannii* Complex.

<sup>4</sup>1 day at 44°C in an aerobic atmosphere on Nutrient agar

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

<sup>6</sup>Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood.

**Figure 1: Colony Morphology**



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Program Manager or designee, ATCC Federal Solutions

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