

**Acinetobacter sp., Strain Ag1**

**Catalog No. NR-50121**

**Product Description:** *Acinetobacter* sp., strain Ag1 was isolated in 2014 from the midgut of a mosquito (*Anopheles gambiae*, strain G3) in Las Cruces, New Mexico, USA.

**Lot<sup>1</sup>: 64360359**

**Manufacturing Date: 15JUL2016**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>2</sup>  Motility (wet mount) Biochemical tests: Catalase Oxidase VITEK <sup>®</sup> 2 Compact (GN Card)	Gram-negative rods Report results  Report results  Positive Negative <i>Acinetobacter</i> sp. (≥ 95%)	Gram-negative rods Circular, low convex, entire, smooth and cream (Figure 1) Non-motile  Positive Negative <i>A. haemolyticus</i> (96%) <sup>3</sup>
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 760 base pairs)	≥ 99% sequence identity to <i>Acinetobacter</i> sp., strain Ag1 (GenBank: LBMZ01000049.1)	100% sequence identity to <i>Acinetobacter</i> sp., strain Ag1 (GenBank: LBMZ01000049.1)
<b>Purity (post-freeze)<sup>4</sup></b>	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
<b>Viability (post-freeze)<sup>2</sup></b>	Growth	Growth

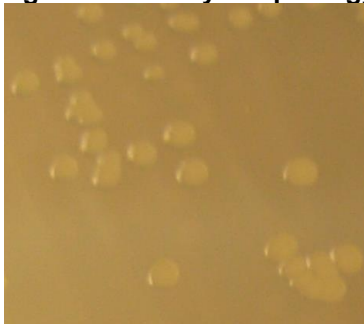
<sup>1</sup>The deposited material was inoculated into Tryptic Soy broth, which was used to inoculate a Tryptic Soy agar with 5% defibrinated sheep blood plate. The plate was grown for 1 day at 37°C in an aerobic atmosphere and the resulting subculture was vialied and frozen. NR-50121 was produced by inoculation of the frozen subculture into Nutrient broth and grown from 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 on Nutrient agar at 32°C in an aerobic atmosphere

<sup>3</sup>Percent probabilities above 90% indicate a close match to the typical biochemical pattern for the given organism, with a percent probability of 99% being a perfect match between the test reaction pattern and the unique biochemical pattern of the given organism or organism group. For additional information, please refer to O'Hara, C.M. and J. M. Miller. "Evaluation of the VITEK 2 ID-GNB Assay for Identification of Members of the Family Enterobacteriaceae and Other Nonenteric Gram-Negative Bacilli and Comparison with the VITEK GNI+ Card." *J. Clin. Microbiol.* 41 (2003): 2096-2101. PubMed: 12734254.

<sup>4</sup>Purity of this lot was assessed for 7 days on Tryptic Soy agar with 5% defibrinated sheep blood at 37°C in an aerobic atmosphere.

**Figure 1: Colony Morphology**



**Date:** 18 NOV 2016

**Signature:**



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