

**Leucobacter sp., Strain Ag1**

**Catalog No. NR-50119**

**Product Description:** *Leucobacter* 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>: 64360355**

**Manufacturing Date: 27JUN2016**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>2</sup>  Motility (wet mount) Biochemical tests: Catalase Oxidase	Gram-positive rods Report results  Report results  Positive Negative	Gram-positive rods Circular, low convex, entire, smooth and cream (Figure 1) Non-motile  Positive Negative
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~710 base pairs)	≥ 99% sequence identity to <i>Leucobacter</i> sp., strain Ag1 (GenBank: LAYO01000034.1)	99.7% sequence identity to <i>Leucobacter</i> sp., strain Ag1 (GenBank: LAYO01000034.1) <sup>3</sup>
<b>Purity (post-freeze)<sup>4,5</sup></b>	Consistent with expected colony morphology	Consistent with expected colony morphology
<b>Viability (post-freeze)<sup>2</sup></b>	Growth	Growth

<sup>1</sup>NR-50119 was produced by inoculation of the deposited material into Nutrient broth and grown for 2 days at 30°C in an aerobic atmosphere. Broth inoculum was added to Nutrient agar kolles, which were grown for 3 days at 30°C in an aerobic atmosphere to produce this lot.

<sup>2</sup>1 day on Nutrient agar at 30°C in an aerobic atmosphere

<sup>3</sup>Also consistent with other *Leucobacter* species

<sup>4</sup>Purity of this lot was assessed for 8 days on Tryptic Soy agar with 5% defibrinated sheep blood at 30°C in an aerobic atmosphere.

<sup>5</sup>Purity of this item was assessed at the optimal growth temperature for this organism, 30°C, which may not detect the growth of microorganisms that prefer alternative temperatures.

**Figure 1: Colony Morphology**



**Date:** 06 DEC 2016

**Signature:**



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