

***Pseudomonas* sp., Strain Ag1**

Catalog No. NR-50126

Product Description: *Pseudomonas* sp., strain Ag1 was isolated in 2012 from the midgut of *Anopheles gambiae*, strain G3, a lab strain used for malaria research, in Las Cruces, New Mexico, USA.

Lot¹: 64360368

Manufacturing Date: 09SEP2016

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Motility (wet mount) Biochemical tests Fluorescein production ³ VITEK [®] MS (MALDI-TOF)	Gram-negative rods Report results Report results Report results <i>Pseudomonas</i> sp.	Gram-negative rods Circular, convex, entire, smooth and cream (Figure 1) Motile Positive (yellow-green fluorescence) <i>Pseudomonas fluorescens</i> (99.9%) ⁴
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 860 base pairs)	≥ 99% sequence identity to <i>Pseudomonas</i> sp., strain Ag1 (GenBank: AKVH01000094.1)	100% sequence identity to <i>Pseudomonas</i> sp., strain Ag1 (GenBank: AKVH01000094.1) ⁵
Purity (post-freeze)^{6,7}	Consistent with expected colony morphology	Consistent with expected colony morphology
Viability (post-freeze)²	Growth	Growth

¹NR-50126 was produced by inoculation of the deposited material into Tryptic Soy broth and grown 2 days at 30°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles which were grown for 1 day at 30°C in an aerobic atmosphere to produce this lot.

²1 day at 30°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

³The production of fluorescein was detected using *Pseudomonas* F agar (Remel™ R01710)

⁴VITEK[®] MS (MALDI-TOF) was used to confirm to genus.

⁵Also consistent with other *Pseudomonas* spp.

⁶Purity of this lot was assessed for 7 days at 30°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood.

⁷Purity 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: 07 DEC 2016

Signature: 
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