

## **Certificate of Analysis for NR-15412**

## Klebsiella pneumoniae, Isolate 3

## Catalog No. NR-15412

**Product Description:** Klebsiella pneumoniae (K. pneumoniae), isolate 3 contains the  $\beta$ -lactamase carbapenemase ( $bla_{KPC}$ ) gene.

Lot<sup>1</sup>: 58855073 Manufacturing Date: 04MAR2010

Phenotypic Analysis   Cellular morphology	TEST	SPECIFICATIONS	RESULTS
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	PCR Assay of Extracted DNA		
1 1000 by difficient 1 1000 by difficient	Presence of $\beta$ -lactamase ( $bla_{KPC}$ ) gene <sup>7</sup>	~ 1000 bp amplicon	~ 1000 bp amplicon
Viability (post-freeze) <sup>2</sup> Growth Growth	-	Growth	Growth

<sup>&</sup>lt;sup>1</sup>NR-15412 was produced by inoculation of the deposited material into Tryptic Soy Broth and incubated for 48 hours at 37°C in an aerobic atmosphere. Broth was added to Kolles and incubated for 24 hours at 37°C in an aerobic atmosphere to produce this lot.

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<sup>&</sup>lt;sup>2</sup>24 hours at 37°C and aerobic atmosphere on Tryptic Soy Agar

<sup>&</sup>lt;sup>3</sup>Vitek 2 Cards AST-EXN7 and AST-GN24

<sup>&</sup>lt;sup>4</sup>Penicillin family members tested include: Ampicillin, Ticarcillin, and Piperacillin.



## **Certificate of Analysis for NR-15412**

<sup>5</sup>Penicillin family/β-lactamase inhibitor combinations tested include: Ampicillin/Sulbactam, Amoxicillin/Clavulanic Acid, Ticarcillin/Clavulanic Acid, and Piperacillin/Tazobactam.

<sup>6</sup>Fluoroquinolone family members tested include: Moxifloxacin, Naladixic Acid, Ciprofloxacin, Levofloxacin, and Norfloxacin.

Figure 1



**Date:** 11 FEB 2011

Signature:

Title: Technical Manager, BEI Authentication or designee

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<sup>&</sup>lt;sup>7</sup>Yigit, H., et al. "Novel Carbapenem-Hydrolyzing β-Lactamase, KPC-1, from a Carbapenem-Resistant Strain of *Klebsiella pneumoniae*." <u>Antimicrob. Agents Chemother.</u> 45 (2001): 1151-1161. PubMed: 11257029.