



## Certificate of Analysis for NR-48978

TEST	SPECIFICATIONS	RESULTS
<b>Antibiotic Susceptibility Profile (continued)</b> Etest® antibiotic test strips <sup>3,6</sup> Chloramphenicol	Resistant	Resistant (≥ 256 µg/mL)
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1480 base pairs)	≥ 99% sequence identity to <i>K. pneumoniae</i> type strain (GenBank: JSZ101000045.1)	99.6% sequence identity to <i>K. pneumoniae</i> type strain (GenBank: JSZ101000045.1) <sup>7</sup>
<b>Purity (post-freeze)<sup>8</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 onto Tryptic Soy agar, which was grown 1 day at 37°C in an aerobic atmosphere and preserved in Tryptic Soy broth supplemented with 10% glycerol. NR-48978 was produced by inoculation of the preserved material into Tryptic Soy broth, which was grown for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles and 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 Tryptic Soy agar with 5% defibrinated sheep blood

<sup>3</sup>Minimum Inhibitory Concentration (MIC); MIC Interpretation Guideline: CLSI M100-S22 (2018)

<sup>4</sup>The VITEK® 2 ESBL Test is a confirmatory test for Extended-Spectrum Beta-Lactamases (ESBLs) inhibited by clavulanic acid and utilizes cefepime, cefotaxime and ceftazidime, with and without clavulanic acid, to determine a positive or negative result.

<sup>5</sup>MIC interpretation was determined using VITEK® 2 software version 07.01 combined with the bioMérieux Advanced Expert System™ (AES) software using the interpretation standard CLSI M100-S22 (2012) and the interpretation guideline “Natural Resistance.” For more information, please refer to Sanders, C. C., et al. “Potential Impact of the VITEK 2 System and the Advanced Expert System on the Clinical Laboratory of a University-Based Hospital.” *J. Clin. Microbiol.* 39 (2001): 2379-2385. PubMed: 11427542.

<sup>6</sup>1 day at 37°C in an aerobic atmosphere on Mueller Hinton agar

<sup>7</sup>Also consistent with other *Klebsiella* species

<sup>8</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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