

***Acinetobacter baumannii*, Isolate 11**

**Catalog No. NR-13384**

**Product Description:** *Acinetobacter baumannii* (*A. baumannii*), isolate 11 was obtained from human sputum in 2008.

**Lot<sup>1</sup>: 58666801**

**Manufacturing Date: 25JUN2009**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>2</sup>  Analytical profile index (API® 20 E) Catalase Oxidase Growth at 44°C <sup>4</sup> Antibiotic resistance <sup>5</sup> Penicillin family <sup>6</sup> Penicillin family/β-lactamase inhibitor combinations <sup>7</sup> Cephalosporin family <sup>8</sup> Aminoglycoside family Gentamicin Tobramycin Amikacin Fluoroquinolone family <sup>9</sup> Tetracycline Tigecycline Trimethoprim/sulfamethoxazole combination Nitrofurantoin Monobactam (aztreonam) Carbapenem family <sup>10</sup>	Gram-negative rod Report results  Consistent with <i>A. baumannii</i> Positive Negative Growth  Report results Report results Report results  Report results Report results Report results Report results Report results Report results Report results Report results Report results Report results Report results	Gram-negative rod Circular, raised, entire, and gray (Figure 1) Consistent with <i>A. baumannii</i> <sup>3</sup> Positive Negative Growth  Resistant Resistant Resistant  Resistant Sensitive Sensitive Resistant Resistant Sensitive Resistant Resistant Resistant Resistant
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1470 bp)	Consistent with <i>A. baumannii</i>	Consistent with <i>A. baumannii</i>
<b>PCR Assay of Extracted DNA</b> 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
<b>Viability (post-freeze)<sup>11</sup></b>	Growth	Growth

<sup>1</sup>*A. baumannii*, isolate 11 was obtained from human sputum in 2009. NR-13384 was produced by inoculation of the deposited material into Tryptic Soy Broth and incubated for 24 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.

<sup>2</sup>24 hours at 37°C and aerobic atmosphere on Tryptic Soy Agar with 5% sheep blood

<sup>3</sup>Also consistent with *Acinetobacter calcoaceticus* (*A. calcoaceticus*)

<sup>4</sup>Growth at 44°C differentiates *A. baumannii* from *A. calcoaceticus*, which does not grow at 44°C

<sup>5</sup>Vitek 2 Cards AST-EXN7 and AST-GN24

<sup>6</sup>Penicillin family members tested include: Ampicillin, Ticarcillin, and Piperacillin

<sup>7</sup>Penicillin family/β-lactamase inhibitor combinations tested include: Ampicillin/Sulbactam, Amoxicillin/Clavulanic Acid, Ticarcillin/Clavulanic Acid and Piperacillin/Tazobactam

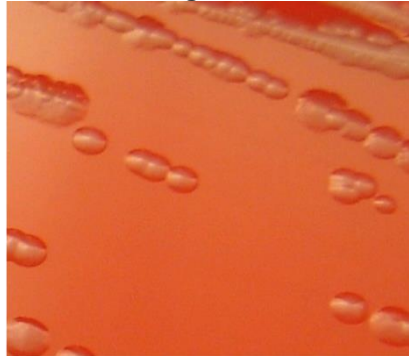
<sup>8</sup>Cephalosporin family members tested include: Cefotaxime, Ceftizoxime, Cefazolin, Cefuroxime, Cefuroxime Axetil, Cefotetan, Ceftazidime, Ceftriaxone, Cefepime, Cefalotin, Cefoxitin and Cefpodoxime

<sup>9</sup>Fluoroquinolone family members tested include: Moxifloxacin, Naladixic Acid, Ciprofloxacin, Levofloxacin and Norfloxacin.

<sup>10</sup>Carbapenem family members tested include: Imipenem and Meropenem

<sup>11</sup>24 hours at 37°C and aerobic atmosphere in Tryptic Soy Broth

**Figure 1**



**Date:** 11 NOV 2009

**Signature:** Signature on File

**Title:** Technical Manager, BEI Authentication or designee

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