

***Acinetobacter baumannii*, Isolate 7**

**Catalog No. NR-13380**

**Product Description:** *Acinetobacter baumannii* (*A. baumannii*), isolate 7 was obtained from human nasotrach aspirate in 2008.

**Lot<sup>1</sup>: 58746726**

**Manufacturing Date: 25AUG2009**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b>		
Cellular morphology	Gram-negative rod	Gram-negative rod
Colony morphology <sup>2</sup>	Report results	Circular, convex, entire, gray and mucoid (Figure 1)
Analytical profile index (API® 20 E)	Consistent with <i>A. baumannii</i>	Consistent with <i>A. baumannii</i> <sup>3</sup>
Catalase	Positive	Positive
Oxidase	Negative	Negative
Growth at 44°C <sup>4</sup>	Growth	Growth
Antibiotic resistance <sup>5</sup>		
Penicillin family <sup>6</sup>	Report results	Resistant
Penicillin family/β-lactamase inhibitor combinations <sup>7</sup>	Report results	Resistant
Cephalosporin family		
Cefotaxime	Report results	Resistant
Ceftizoxime	Report results	Resistant
Cefazolin	Report results	Resistant
Cefuroxime	Report results	Resistant
Cefuroxime Axetil	Report results	Resistant
Cefotetan	Report results	Resistant
Ceftazidime	Report results	Resistant
Ceftriaxone	Report results	Resistant
Cefepime	Report results	Intermediate
Cefalotin	Report results	Resistant
Cefoxitin	Report results	Resistant
Cefpodoxime	Report results	Resistant
Aminoglycoside family		
Gentamycin	Report results	Intermediate
Tobramycin	Report results	Sensitive
Amikacin	Report results	Sensitive
Fluoroquinolone family <sup>8</sup>	Report results	Resistant
Tetracycline	Report results	Resistant
Tigecycline	Report results	Sensitive
Trimethoprim/sulfamethoxazole combination	Report results	Resistant
Nitrofurantoin	Report results	Resistant
Monobactam (aztreonam)	Report results	Resistant
Carbapenem family <sup>9</sup>	Report results	Sensitive
<b>Genotypic Analysis</b>		
Sequencing of 16S ribosomal RNA gene (~ 1270 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>2</sup></b>	Growth	Growth

<sup>1</sup>*A. baumannii*, isolate 7 was obtained from human nasotrach aspirate in 2008. NR-13380 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/ $\beta$ -lactamase inhibitor combinations include: Ampicillin/Sulbactam, Amoxicillin/Clavulanic Acid, Ticarcillin/Clavulanic Acid and Piperacillin/Tazobactam

<sup>8</sup>Fluoroquinolone family members tested include: Moxifloxacin, Naladixic Acid, Ciprofloxacin, Levofloxacin and Norfloxacin.

<sup>9</sup>Carbapenem family members tested include: Imipenem and Meropenem

Figure 1



**Date:** 30 APR 2010

**Signature:** Signature on File

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

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