

***Acinetobacter baumannii*, Isolate 5**

Catalog No. NR-13378

Product Description: *Acinetobacter baumannii* (*A. baumannii*), isolate 5 was obtained from human sputum in 2008.

Lot¹: 58666791

Manufacturing Date: 25JUN2009

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Analytical profile index (API [®] 20 E) Catalase Oxidase Growth at 44°C ⁴ Antibiotic resistance ⁵ Penicillin family ⁶ Penicillin family/β-lactamase inhibitor combinations Ampicillin/Sulbactam Amoxicillin/Clavulanic Acid Ticarcillin/Clavulanic Acid Piperacillin/Taxobactam Cephalosporin family ⁷ Aminoglycoside family Gentamycin Tobramycin Amikacin Fluoroquinolone family Moxifloxacin Naladixic Acid Ciprofloxacin Levofloxacin Norfloxacin Tetracycline Tigecycline Trimethoprim/sulfamethoxazole combination Nitrofurantoin Monobactam (aztreonam) Carbapenem family ⁸	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 Report results Report results Report results Report results	Gram-negative rod Circular, convex, entire, gray and mucoid (Figure 1) Consistent with <i>A. baumannii</i> ³ Positive Negative Growth Resistant Sensitive Resistant Resistant Resistant Resistant Sensitive Resistant Sensitive Resistant Resistant Resistant Intermediate Resistant Resistant Sensitive Sensitive Resistant Resistant Resistant
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1430 bp)	Consistent with <i>A. baumannii</i>	Consistent with <i>A. baumannii</i>
PCR Assay of Extracted DNA 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
Viability (post-freeze)²	Growth	Growth

¹*A. baumannii*, isolate 5 was obtained from human sputum (induced) in 2008. NR-13378 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.

²24 hours at 37°C and aerobic atmosphere on Tryptic Soy Agar with 5% sheep blood

³Also consistent with *Acinetobacter calcoaceticus* (*A. calcoaceticus*).

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

⁵Vitek 2 Cards AST-EXN7 and AST-GN24

⁶Penicillin family members tested include: Ampicillin, Ticarcillin, and Piperacillin

⁷Cephalosporin family members tested include: Cefotaxime, Ceftizoxime, Cefazolin, Cefuroxime, Cefuroxime Axetil, Cefotetan, Ceftazidime,

Ceftriaxone, Cefepime, Cefalotin, Cefoxitin and Cefpodoxime
®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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