

***Acinetobacter baumannii*, Isolate 3**

Catalog No. NR-13376

Product Description: *Acinetobacter baumannii* (*A. baumannii*), isolate 3 was obtained from human sputum (induced) in 2008.

Lot¹: 58666802

Manufacturing Date: 08JUL2009

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/Tazobactam Cephalosporin family ⁷ Aminoglycoside family Gentamycin Tobramycin Amikacin Fluoroquinolone family ⁸ Tetracycline Tigecycline Trimethoprim/sulfamethoxazole combination Nitrofurantoin Monobactam (aztreonam) Carbapenem family ⁹	Gram-negative rods 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	Gram-negative rods 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 Sensitive Resistant Resistant Sensitive Resistant Resistant Resistant Resistant
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1460 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

¹NR-13376 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.

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

⁹Carbapenem family members tested include: Imipenem and Meropenem.

Figure 1



Date: 21 MAY 2010

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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