

Certificate of Analysis for NR-13379

Acinetobacter baumannii, Isolate 6

Catalog No. NR-13379

Product Description: Acinetobacter baumannii (A. baumannii), isolate 6 was obtained from

human sputum in 2008.

Lot¹: 58666796 Manufacturing Date: 02JUL2009

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-negative rod	Gram-negative rod
Colony morphology ²	Report results	Circular, convex, entire, opaque
		and gray (Figure 1)
Analytical profile index (API® 20 E)	Consistent with A. baumannii	Consistent with A. baumannii3
Catalase	Positive	Positive
Oxidase	Negative	Negative
Growth at 44°C ⁴	Growth	Growth
Antibiotic resistance ⁵		
Penicillin family ⁶	Report results	Resistant
Penicillin family/β-lactamase inhibitor combinations		
Ampicillin/Sulbactam	Report results	Sensitive
Amoxicillin/Clavulanic Acid	Report results	Resistant
Ticarcillin/Clavulanic Acid	Report results	Resistant
Piperacillin/Tazobactam	Report results	Resistant
Cephalosporin family ⁷	Report results	Resistant
Aminoglycoside family		
Gentamycin	Report results	Resistant
Tobramycin	Report results	Resistant
Amikacin	Report results	Sensitive
Fluoroquinolone family		
Moxifloxacin	Resistant	Resistant
Naladixic Acid	Resistant	Resistant
Ciprofloxacin	Resistant	Resistant
Levofloxacin	Intermediate	Intermediate
Norfloxacin	Resistant	Resistant
Tetracycline	Report results	Resistant
Tigecycline	Report results	Sensitive
Trimethoprim/sulfamethoxazole combination	Report results	Sensitive
Nitrofurantoin	Report results	Resistant
Monobactam (aztreonam)	Report results	Resistant
Carbapenem family	. topo.t.oou.to	T T S S S S S S S S S S S S S S S S S S
Imipenem	Intermediate	Intermediate
Meropenem	Resistant	Resistant
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 845 bp)	Consistent with <i>A. baumannii</i>	Consistent with A. baumannii
	Consistent with A. Daumanini	Consistent with A. Daumanilli
PCR Assay of Extracted DNA	45001	45001
16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
Viability (post-freeze) ²	Growth	Growth

¹NR-13379 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.

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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

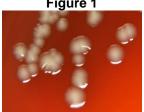
⁶Penicillin family members tested include: Ampicillin, Ticarcillin, and Piperacillin



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⁷Cephalosporin family members tested include: Cefotaxime, Ceftizoxime, Cefazolin, Cefuroxime, Cefuroxime Axetil, Cefotetan, Ceftazidime, Ceftriaxone, Cefepime, Cefalotin, Cefoxitin and Cefpodoxime

Figure 1



Date: 18 MAR 2010 Signature: Signature on File

> Title: Technical Manager, BEI Authentication or designee

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