DICIÍ RESOURCES

SUPPORTING INFECTIOUS DISEASE RESEARCH

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	Gram-negative rods	Gram-negative rods
Colony morphology ²	Report results	Circular, convex, entire, gray and mucoid (Figure 1)
Analytical profile index (API [®] 20 E)	Consistent with A. baumannii	Consistent with A. baumannii ³
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	Sensitive
Tobramycin	Report results	Sensitive
Amikacin	Report results	Resistant
Fluoroquinolone family ⁸	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 ⁹	Report results	Resistant
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 1460 bp)	Consistent with A. baumannii	Consistent with A. baumannii
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

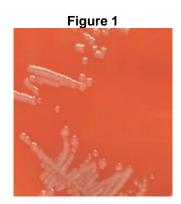
⁶Penicillin family members tested include: Ampicillin, Ticarcillin, and Piperacillin.

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.

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Date: 21 MAY 2010

Signature: Signature on File

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