**Acinetobacter baumannii**, Isolate 12

**Catalog No. NR-13385**

Product Description: *Acinetobacter baumannii* (*A. baumannii*), isolate 12 was obtained from a human trachea in 2008.

**Lot**: 58666851  
**Manufacturing Date**: 01JUL2009

### TEST  
**SPECIFICATIONS**  
**RESULTS**

<table>
<thead>
<tr>
<th>TEST</th>
<th>SPECIFICATIONS</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Phenotypic Analysis</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cellular morphology</td>
<td>Gram-negative rod</td>
<td></td>
</tr>
<tr>
<td>Colony morphology</td>
<td>Report results</td>
<td>Circular, convex, entire, gray and mucoid (Figure 1)</td>
</tr>
<tr>
<td>Analytical profile index (API® 20 E)</td>
<td>Consistent with <em>A. baumannii</em></td>
<td>Consistent with <em>A. baumannii</em>³</td>
</tr>
<tr>
<td>Catalase</td>
<td>Positive</td>
<td></td>
</tr>
<tr>
<td>Oxidase</td>
<td>Negative</td>
<td>Negative</td>
</tr>
<tr>
<td>Growth at 44°C⁴</td>
<td>Growth</td>
<td>Growth</td>
</tr>
<tr>
<td>Antibiotic resistance⁵</td>
<td>Report results</td>
<td>Resistant</td>
</tr>
<tr>
<td>Penicillin family⁶</td>
<td>Report results</td>
<td>Sensitive</td>
</tr>
<tr>
<td>Penicillin family/β-lactamase inhibitor combinations</td>
<td>Report results</td>
<td>Resistant</td>
</tr>
<tr>
<td>Ampicillin/Sublactam</td>
<td>Report results</td>
<td>Sensitive</td>
</tr>
<tr>
<td>Amoxicillin/Clavulanic Acid</td>
<td>Report results</td>
<td>Resistant</td>
</tr>
<tr>
<td>Ticaricillin/Clavulanic Acid</td>
<td>Report results</td>
<td>Resistant</td>
</tr>
<tr>
<td>Piperacillin/Taxobactam</td>
<td>Report results</td>
<td>Resistant</td>
</tr>
<tr>
<td>Cephalosporin family⁷</td>
<td>Report results</td>
<td>Resistant</td>
</tr>
<tr>
<td>Aminoglycoside family</td>
<td>Report results</td>
<td>Resistant</td>
</tr>
<tr>
<td>Gentamycin</td>
<td>Report results</td>
<td>Resistant</td>
</tr>
<tr>
<td>Tobramycin</td>
<td>Report results</td>
<td>Resistant</td>
</tr>
<tr>
<td>Amikacin</td>
<td>Report results</td>
<td>Sensitive</td>
</tr>
<tr>
<td>Fluoroquinolone family</td>
<td>Report results</td>
<td>Resistant</td>
</tr>
<tr>
<td>Moxifloxacin</td>
<td>Report results</td>
<td>Resistant</td>
</tr>
<tr>
<td>Naladixic Acid</td>
<td>Report results</td>
<td>Resistant</td>
</tr>
<tr>
<td>Ciprofloxacin</td>
<td>Report results</td>
<td>Resistant</td>
</tr>
<tr>
<td>Levofloxacin</td>
<td>Report results</td>
<td>Intermediate</td>
</tr>
<tr>
<td>Norfloxacin</td>
<td>Report results</td>
<td>Resistant</td>
</tr>
<tr>
<td>Tetracycline</td>
<td>Report results</td>
<td>Resistant</td>
</tr>
<tr>
<td>Tigecycline</td>
<td>Report results</td>
<td>Sensitive</td>
</tr>
<tr>
<td>Trimethoprim/sulfamethoxazole combination</td>
<td>Report results</td>
<td>Sensitive</td>
</tr>
<tr>
<td>Nitrofurantion</td>
<td>Report results</td>
<td>Resistant</td>
</tr>
<tr>
<td>Monobactam (aztreonam)</td>
<td>Report results</td>
<td>Resistant</td>
</tr>
<tr>
<td>Carbapenem family⁸</td>
<td>Report results</td>
<td>Resistant</td>
</tr>
</tbody>
</table>

**Genotypic Analysis**  
Sequencing of 16S ribosomal RNA gene (~ 1450 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

¹ *A. baumannii*, isolate 12 was obtained from human trachea in 2008. NR-13385 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, Ticaricillin, and Piperacillin

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

⁸Carbapenem family members tested include: Imipenem and Meropenem
Date: 30 APR 2010  
Signature: Signature on File  
Title: Technical Manager, BEI Authentication or designee

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.  
You are authorized to use this product for research use only. It is not intended for human use.