PSEUDOMONAS AERUGINOSA
AR-BANK#0457

Key RESISTANCE: VIM

<table>
<thead>
<tr>
<th>DRUG</th>
<th>MIC (µg/ml)</th>
<th>INT</th>
<th>DRUG</th>
<th>MIC (µg/ml)</th>
<th>INT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amikacin</td>
<td>2</td>
<td>S</td>
<td>Gentamicin</td>
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<tr>
<td>Aztreonam</td>
<td>64</td>
<td>R</td>
<td>Imipenem</td>
<td>&gt;64</td>
<td>R</td>
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<tr>
<td>Cefepime</td>
<td>32</td>
<td>R</td>
<td>Imipenem+chelators²</td>
<td>16</td>
<td>---</td>
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<tr>
<td>Ceftazidime</td>
<td>64</td>
<td>R</td>
<td>Levofloxacin</td>
<td>&gt;8</td>
<td>R</td>
</tr>
<tr>
<td>Ceftazidime/avibactam¹</td>
<td>&gt;16</td>
<td>R</td>
<td>Meropenem</td>
<td>&gt;8</td>
<td>R</td>
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<tr>
<td>Ciprofloxacin</td>
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<td>R</td>
<td>Piperacillin/tazobactam²</td>
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<td>Colistin</td>
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<td>Polymyxin B</td>
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<td>Doripenem</td>
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<td>R</td>
<td>Tobramycin</td>
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<td>I</td>
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</tbody>
</table>

S – I – R Interpretation (INT) derived from CLSI 2016 M100 S26
¹ Reflects MIC of first component
³ Based on FDA break points

PROPAGATION

MEDIUM
Medium: Trypticase Soy Agar with 5% Sheep Blood (BAP)

GROWTH CONDITIONS
Temperature: 35⁰C
Atmosphere: Aerobic

PROCEDURE
Remove the sample vial to a container with dry ice or a freezer block. Keep vial on ice or block. (Do not let vial content thaw)
Open vial aseptically to avoid contamination
Using a sterile loop, remove a small amount of frozen isolate from the top of the vial
Aseptically transfer the loop to BAP
Use streak plate method to isolate single colonies
Incubate inverted plate at 35⁰C for 18-24 hrs.
BIOSAFETY LEVEL 2

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the BioSafety in Microbiological and Biomedical Laboratories (HHS Publication No. (CDC) 21-1112) from the U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, and National Institutes of Health.

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