



PSEUDOMONAS AERUGINOSA

AR-BANK#0090

| | | |
|---|---------------------|-------|
|  | STORAGE TEMPERATURE | -70°C |
|  | BIOSAFETY LEVEL | 2 |

KNOWN ACQUIRED RESISTANCE:

(+) KPC

Reduced susceptibility, elevated Carbapenem MICs.

Known Resistance is listed above by (+) for positive result and (-) for negative result.

PROPAGATION

MEDIUM

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

GROWTH CONDITIONS

Temperature: **35°C**Atmosphere: **Aerobic**

PROPAGATION 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 35°C for 18-24 hrs.

MIC (µg/ml) RESULTS AND INTERPRETATION

| DRUG | MIC | INT | DRUG | MIC | INT |
|---------------|-----|-----|--------------------------|-----|-----|
| Amikacin | 32 | I | Imipenem | >64 | R |
| Aztreonam | >64 | R | Imipenem+chelators** | >32 | --- |
| Cefepime | >32 | R | Levofloxacin | >8 | R |
| Ceftazidime | 128 | R | Meropenem | >8 | R |
| Ciprofloxacin | >8 | R | Piperacillin/Tazobactam* | 128 | R |
| Colistin | 1 | S | Polymyxin B | 1 | S |
| Doripenem | >8 | R | Tobramycin | >16 | R |
| Gentamicin | >16 | R | | | |

S – I – R Interpretation (INT) derived from *CLSI 2015 M100 S25*

SDD (Susceptible Dose Dependent)

* Reflects MIC of first component

** Screen for metallo-beta-lactamase production [Rasheed et al. *Emerging Infectious Diseases*. 2013. 19(6):870-878]

*** Based on FDA break points

SEQUENCING INFORMATION: No Sequencing information available at this time.

| ACCESSION # | SEQUENCING SOURCE | LINK |
|-------------|-------------------|------|
| | | |



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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