ANTIMICROBIAL RESISTANCE BANK

# ACINETOBACTER BAUMANNII

AR-BANK# 0295

## 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 | 4 | S | Imipenem | >64 | R |
| Ampicillin/sulbactam* | >32 | R | Imipenem+chelators** | >32 | --- |
| Cefepime | >32 | R | Levofloxacin | >8 | R |
| Cefotaxime | >64 | R | Meropenem | >8 | R |
| Ceftazidime | >128 | R | Minocycline | 16 | R |
| Ceftriaxone | >32 | R | Piperacillin/tazobactam* | >128 | R |
| Ciprofloxacin | >8 | R | Polymyxin B | 1 | S |
| Colistin | 1 | S | Tetracycline | >32 | R |
| Doripenem | >8 | R | Tigecycline | 4 | --- |
| Gentamicin | 4 | S | Tobramycin | 1 | S |
| | | | Trimethoprim/sulfamethoxazole* | >8 | R |

S – I –R Interpretation (INT) derived from *CLSI 2015 M100 S25*
* Reflects MIC of first component
**Screen for metallo-beta-lactamase production
[Rasheed et al. Emerging Infectious Diseases. 2013. 19(6):870-878]

## 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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