ANTIMICROBIAL RESISTANCE BANK

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AR-BANK#0423

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
Amoxicillin/clavulanic acid[1]	16	I	Ciprofloxacin	>4	R
Ampicillin	>32	R	Gentamicin	2	S
Azithromycin	2	---	Nalidixic Acid	>32	R
Cefoxitin	2	S	Streptomycin	>64	---
Ceftiofur	0.25	---	Sulfisoxazole	>256	R
Ceftriaxone	≤0.25	S	Tetracycline	>32	R
Chloramphenicol	>32	R	Trimethoprim/sulfamethoxazole[1]	>4	R

S – I –R Interpretation (INT) derived from *CLSI 2017 M100 S27*
[1] Reflects MIC of first component

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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