



	STORAGE TEMPERATURE	-70°C
	BIOSAFETY LEVEL	2

## STAPHYLOCOCCUS AUREUS

AR-BANK#0489

KNOWN RESISTANCE MECHANISMS:

### 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
Cefoxitin <sup>1</sup>	4	S	Linezolid	4	S
Ceftaroline	≤0.25	S	Mupirocin	≤4	---
Clindamycin	1	I	Oxacillin	2	S
Daptomycin	1	S	Penicillin	>2	R
Doxycycline	≤1	S	Rifampin	≤0.5	S
Erythromycin	2	I	Tetracycline	≤1	S
Gentamicin	≤2	S	Trimethoprim/sulfamethoxazole <sup>4</sup>	≤0.5	S
Levofloxacin	≤0.5	S	Vancomycin	≤0.5	S

S – I – R Interpretation (INT) derived from *CLSI 2016 M100-S26*  
NS = Nonsusceptible

<sup>1</sup> Cefoxitin is tested as a surrogate for *mecA*-mediated oxacillin resistance

<sup>2</sup> Inducible clindamycin resistance detected

<sup>3</sup> No inducible clindamycin resistance detected

<sup>4</sup> 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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