

**Table S3. Liquid Colony AST Errors compared to overnight culture with Vitek 2 AST**

Species	Drug	LC Result MIC/Interpretati on	SOC Result MIC/Interpretati on	VM E	ME	mE
<b>Gram-negative AST</b>						
<i>Klebsiella pneumoniae</i>	Ampicillin/Sulbactam	4 (S)	16 (I)			1
<i>Klebsiella oxytoca</i>	Ampicillin/Sulbactam	16 (I)	>=32 [R]			1
<i>Klebsiella pneumoniae</i>	Ampicillin/Sulbactam	16 (I)	>=32 [R]			1
<i>Klebsiella pneumoniae</i>	Ciprofloxacin	1 [R]	0.5 (I)			1
<i>Klebsiella pneumoniae</i>	ESBL Screen	NEG	POS			
<i>Klebsiella pneumoniae</i>	Ampicillin	16 (I)	>=32 [R]			1
<i>Enterobacter cloacae</i>	Ceftriaxone	≤1 (S)	4 (R)	1		
<i>Klebsiella pneumoniae</i>	Ampicillin/Sulbactam	16 (I)	>=32 [R]			1
<i>Klebsiella aerogenes</i>	Cefazolin	<=4 (I)	>=64 [R]			1
<i>Klebsiella aerogenes</i>	Cefazolin	<=4 (I)	>=64 [R]			1
<i>E. coli</i>	Cefoxitin	16 (I)	<=4 (S)			1
<i>Klebsiella aerogenes</i>	Cefazolin	<=4 (I)	>=64 [R]			1
<i>Klebsiella pneumoniae</i>	Ampicillin	16 (I)	>=32 [R]			1
Species	Drug	LC Result	SOC result	VM E	ME	mE
<b>Gram-positive AST</b>						
<i>S. hominis</i>	Erythromycin	1 (I)	<=0.25 (S)			1
<i>S. epidermidis</i>	Clindamycin	0.5 (S)	2 (I)			1
<i>S. haemolyticus</i>	Moxifloxacin	1 (I)	2 R			1
<i>S. aureus (MSSA)</i>	Penicillin	0.06 (S)	0.25 (R)	1		
<i>E. faecium</i>	Linezolid	4 (I)	2 (S)			1
<i>E. faecalis</i>	Linezolid	4 (I)	2 (S)			1
<i>S. epidermidis</i>	Clindamycin	0.5 (S)	≥8 (R)	1		
<i>S. epidermidis</i>	Ciprofloxacin	2 (I)	4 (R)			1
<i>S. epidermidis</i>	Trimethoprim/Sulfameth oxazole	40 (S)	160 (R)	1		
<i>S. epidermidis</i>	Erythromycin	0.5 (S)	≥8 (R)	1		
<i>E. faecalis</i>	Erythromycin	4 (I)	>=8 [R]			1
<i>E. faecium</i>	Tetracycline	>=16 [R]	2 (S)		1	

Abbreviations:

LC = Liquid Colony

SOC = Standard of Care

VME = Very Major Error

ME = Major Error

mE = Minor Error