

Percentage of susceptible Organisms Isolated From Sputum, Clinical Microbiology Laboratory, Vachiraphuket Hospital, January-December-2023

Organism		TOTAL ISOLATES	BETA - LACTAMS											CARBAPENEMS			POLYMYXINS	QUINOLONES		AMINOGLYCOSIDES		GLYCOPEPTIDES	MISCELLANEOUS			
			PENICILLIN BY MIC	AMPICILLIN	AMOXICILIN / CLAVULANIC ACID	AMPICILLIN / SULBACTAM	PIPERACILIN / TAZOBACTAM	CEFOTAXIME	CEFTAZIDIME	CEFTRIAXONE	CEFEPIME	OXACILLIN ^f	CEFOXITIN	ERTAPENEM	IMIPENEM	MEROPENEM	COLISTIN ^g	CIPROFLOXACIN	LEVOFLOXACIN	AMIKACIN	GENTAMICIN	VANCOMYCIN	CLINDAMYCIN	ERYTHROMYCIN	CO-TRIMOXAZOLE	TETRACYCLINE
Gram negative	<i>Acinetobacter baumannii</i> complex	300		R	R	16 (292)	14 (299)		15 (300)	9 (299)	14 (299)			R	14 (300)	15 (300)	94 (283)	15 (300)								
	<i>Enterobacter cloacae</i> complex	15 ^a		R	R	R	73 (15)		73 (15)	67 (15)	93 (15)		R	93 (15)	100 (15)	100 (15)		73 (15)		93 (15)	93 (15)				87 (15)	
	<i>Escherichia coli</i>	47			81 (47)	100 (47)		43 (47)	45 (47)	55 (47)			100 (47)	100 (47)	100 (47)		32 (47)		96 (47)	89 (46)				59 (46)		
	<i>Haemophilus influenzae</i>	10 ^a		70 (10)	100 (9)					100 (10)					100 (10)		90 (10)							100 (10)		
	<i>Klebsiella pneumoniae</i> complex	202		R	67 (202)		68 (202)		66 (202)	68 (202)	73 (202)			84 (202)	86 (202)	86 (202)		61 (202)		89 (202)	87 (202)				77 (202)	
	<i>Proteus mirabilis</i>	9 ^a			100 (9)	100 (9)		100 (9)	100 (9)	100 (9)			100 (9)	25 (9)	100 (9)		100 (9)		100 (9)	100 (9)				89 (9)	R	
	<i>Pseudomonas aeruginosa</i>	204		R	R	R	81 (189)	R	82 (204)	R	83 (201)			R	74 (204)	73 (204)	98 (150)	87 (204)		97 (204)	87 (204)				R	R
	<i>Serratia marcescens</i>	16 ^a		R	R	R	100 (12)		94 (16)	94 (16)	100 (16)		R	100 (16)	100 (16)	100 (16)		100 (16)		100 (16)	100 (16)				100 (16)	
	<i>Stenotrophomonas maltophilia</i>	53		R	R	R	R	R		R				R	R	R			98 (53)	R	R				100 (53)	
Gram positive	<i>Staphylococcus aureus</i>	96									91 (96)							92 (96)			97 (96)	100 (96)	86 (96)	90 (96)	99 (96)	
	(MRSA)	10 ^a									0 (10)							50 (10)			100 (10)	100 (10)	50 (10)	50 (10)	100 (10)	
	(MSSA)	86									100 (86)							97 (86)			97 (86)	100 (86)	94 (86)	91 (86)	99 (86)	
	<i>Streptococcus pneumoniae</i>	63	98 (63)							100 (63)																

^a : Calculated from fewer than the standard recommendation of 30 isolates

^b : Blood, Pleural Fluid, CSF

^c : Sputum, Ear, Sinus

^d : BY MIC (E-test)

^e : MIC Interpretive Criteria

^f : Interpret according to oxacillin MICs susceptibility test

^g : COLISTIN คำนำมาจาก Intermediate COLISTIN BY MIC (Microbroth dilution method)

^h : High-Level Aminoglycoside ;Susceptible: is synergistic with cell wall-active agent (eg. ampicilin, penicillin and vancomycin).

^u : Urine, Urine Catheter, Urine Clean- Voided

R : Intrinsic resistance

% S

