

Percentage of susceptible Organisms Isolated From Sputum, Clinical Microbiology Laboratory, Vachiraphuket Hospital, January-December-2021

Organism		TOTAL ISOLATES	BETA - LACTAMS										CARBAPENEMS			QUINOLONES		AMINOGLYCOSIDES		GLYCOPEPTIDES	MISCELLANEOUS							
			PENICILLIN	AMPICILLIN	AMOXICILLIN / CLAVULANIC ACID	AMPICILLIN / SULBACTAM	PIPERACILLIN / TAZOBACTAM	CEFOTAXIME	CEFTAZIDIME	CEFTRIAXONE	CEFEPIME	OXACILLIN ^f	CEFOXITIN	ERTAPENEM	IMIPENEM	MEROPENEM	CIPROFLOXACIN	LEVOFLOXACIN	AMIKACIN	GENTAMICIN	VANCOMYCIN	CLINDAMYCIN	ERYTHROMYCIN	CO-TRIMOXAZOLE				
Gram negative	<i>Acinetobacter baumannii</i> complex	270		R	R	31 (270)	25 (270)			22 (270)	3 (270)	26 (269)			R	27 (270)	27 (270)	23 (270)										
	<i>Burkholderia pseudomallei</i>	2 ^a							100 (2)							100 (2)											100 (2)	
	<i>Enterobacter cloacae</i> complex	23 ^a		R	R	R	87 (23)			61 (23)	95 (23)			R	95 (19)	100 (23)	100 (23)	59 (23)		100 (23)	67 (18)						67 (18)	
	<i>Escherichia coli</i>	46		11 (27)	62 (46)		89 (46)			42 (46)	81 (36)				98 (46)	98 (46)	98 (46)	33 (46)		100 (46)	69 (39)							
	<i>Klebsiella pneumoniae</i> complex	175		R	66 (172)		78 (173)			66 (175)	80 (174)				94 (175)	94 (175)	94 (175)	56 (175)		99 (175)	78 (175)						66 (175)	
	<i>Proteus mirabilis</i>	13 ^a		88 (11)	77 (13)		100 (13)		100 (13)	100 (13)	100 (13)				91 (13)	17 (11)	100 (13)	77 (13)		100 (13)	100 (13)						80 (10)	
	<i>Pseudomonas aeruginosa</i>	175		R	R	R	63 (175)	R	70 (175)	R	89 (170)				R	73 (175)	70 (175)	87 (174)		100 (173)	100 (173)						R	
	<i>Serratia marcescens</i>	12 ^a		R	R	R			100 (12)	92 (12)	100 (12)				R	100 (12)	100 (12)	100 (12)	92 (12)		100 (12)	100 (12)					100 (12)	
	<i>Stenotrophomonas maltophilia</i>	59		R	R	R	R	R		R					R	R	R		97 (59)	R	R						97 (59)	
Gram positive	<i>Staphylococcus aureus</i>	62								90 (62)							87 (62)			90 (62)	100 (62)	84 (62)	79 (62)	94 (62)				
	(MRSA)	6 ^a								0 (6)							0 (6)			33 (6)	100 (6)	17 (6)	17 (6)	83 (6)				
	(MSSA)	56								100 (56)							96 (56)			95 (56)	100 (56)	91 (56)	86 (56)	95 (56)				
	<i>Streptococcus pneumoniae</i>	11 ^a	100 (11)																									

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

^b : Blood, Pleural Fluid, CSF

R : Intrinsic resistance

% S

^c : Sputum, Ear, Sinus

^d : Interpret according to oxacillin susceptibility test

^e : MIC Interpretive Criteria

^f : Interpret according to cefoxitin susceptibility test

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

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

