

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

Organism		TOTAL ISOLATES	BETA - LACTAMS										CARBAPENEMS			POLYMYXINS	QUINOLONES		AMINOGLYCOSIDES		GLYCOPEPTIDES	MISCELLANEOUS						
			PENICILLIN BY MIC	AMPICILLIN	AMOXICILLIN/ CLAVULANIC ACID	AMPICILLIN / SULBACTAM	PIPERACILLIN / TAZOBACTAM	CEFOTAXIME	CEFTAZIDIME	CEFTRIAXONE	CEFEPIME	OXACILLIN	ERTAPENEM	IMIPENEM	MEROPENEM	COLISTIN ^s	CIPROFLOXACIN	NORFLOXACIN	AMIKACIN	GENTAMICIN	VANCOMYCIN	FOSFOMYCIN	CLINDAMYCIN	ERYTHROMYCIN	NITROFURANTOIN	CHLORAMPHENICOL	CO-TRIMOXAZOLE	TETRACYCLINE
Gram negative	<i>Acinetobacter baumannii</i> complex	52		R	R	24 (46)	21 (52)		17 (52)	15 (52)	18 (52)		R	21 (52)	21 (52)	96 (49)	23 (52)				R				R	37 (52)		
	<i>Enterobacter cloacae</i> complex	29 ^a		R	R	R	83 (29)		76 (29)	76 (29)	79 (29)		93 (29)	97 (29)	97 (29)		62 (29)	90 (29)	100 (29)	93 (29)				97 (29)		86 (29)		
	<i>Escherichia coli</i>	854			79 (852)		94 (851)		65 (847)	59 (854)	69 (847)		98 (854)	98 (854)	98 (854)		25 (854)	47 (836)	98 (854)	75 (852)		100 (823)			100 (835)		49 (853)	
	<i>Klebsiella pneumoniae</i> complex	266		R	55 (266)		55 (266)		53 (265)	52 (266)	57 (263)		84 (264)	84 (264)	85 (266)		35 (266)	56 (250)	91 (266)	78 (264)				69 (251)		61 (264)		
	<i>Morganella morganii</i>	16 ^a		R	R		94 (16)		94 (16)	93 (15)	100 (15)		100 (16)	14 (14)	100 (16)		50 (16)	73 (15)	93 (15)	80 (15)						69 (16)		
	<i>Citrobacter koseri</i>	17 ^a		R	100 (17)		94 (17)		100 (17)	100 (17)	100 (17)		100 (17)	100 (17)	100 (17)		94 (17)	100 (17)	100 (17)	100 (17)				94 (17)		100 (17)		
	<i>Proteus mirabilis</i>	87			83 (78)		100 (85)		96 (84)	87 (85)	92 (86)		99 (87)	33 (72)	99 (87)		76 (87)	80 (84)	100 (87)	83 (87)				R		69 (86)	R	
	<i>Pseudomonas aeruginosa</i>	108		R	R	R	55 (108)	R	55 (108)	R	57 (108)		R	53 (108)	50 (108)	98 (83)	56 (108)	56 (103)	81 (108)	69 (108)						R	R	R
Gram positive	<i>Enterococcus faecalis</i>	87		97 (87)				R	R	R							49 (87)	39 (85)	R	R	100 (82)	100 (87)	R		100 (85)		R	
	<i>Enterococcus faecium</i>	54		2 (54)				R	R	R							0 (54)	0 (54)	R	R	94 (54)		R		20 (54)		R	
	<i>Staphylococcus aureus</i>	23 ^a										91 ^f (23)					100 (23)	95 (22)		91 (23)	100 (23)			100 (23)				
	(MRSA)	2										0 (2)					100 (2)	0 (1)		100 (2)	100 (2)			100 (2)				
	(MSSA)	21 ^a										100 ^f (21)					100 (21)	100 (21)		90 (21)	100 (21)			100 (21)				
	<i>Streptococcus agalactiae</i>	17 ^a	100 (17)	100 (17)																								

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 จำนวนจาก Intermediate COLISTIN BY MIC (Microbroth dilution method)

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

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

R : Intrinsic resistance

