

Percentage of susceptible Organisms Isolated From All Specimen, Clinical Microbiology Laboratory, Vachiraphuket Hospital, January-December-2021 (1/3)

Organism	TOTAL ISOLATES	BETA - LACTAMS								CARBAPENEMS			QUINOLONES			AMINOGLYCOSIDES			GLYCOPEPTIDES		MISCELLANEOUS				
		AMPICILLIN	AMOXICILLIN/CLAVULANIC ACID	AMPICILLIN / SULBACTAM	PIPERACILLIN /TAZOBACTAM	CEFTAZIDIME	CEFTRIAZONE	CEFEPIME	OXACILLIN ^f	ERTAPENEM	IMPENEM	MEROPENEM	CIPROFLOXACIN	LEVOFLOXACIN	NORFLOXACIN ^u	AMIKACIN	GENTAMICIN	GENTAMICIN 120 µg ^h	VANCOMYCIN	FOSFOMYCIN	CLINDAMYCIN	ERYTHROMYCIN	NITROFURANTOIN ^u	CHLORAMPHENICOL	CO-TRIMOXAZOLE
<i>Acinetobacter baumannii</i> complex	434	R	R	36 (410)	28 (433)	27 (434)	5 (434)	30 (434)	R	31 (434)	30 (434)	29 (434)							R					R	
(ICU)	145	R	R	26 (137)	22 (143)	19 (145)	4 (145)	20 (145)	R	23 (145)	22 (145)	19 (144)							R					R	
(inpatient)	247	R	R	32 (231)	24 (246)	24 (247)	3 (247)	25 (229)	R	26 (247)	26 (247)	26 (247)							R					R	
(outpatient)	20 ^a	R	R	71 (17)	40 (20)	35 (20)	15 (20)	47 (19)	R	50 (20)	47 (20)	45 (20)							R					R	
<i>Aeromonas hydrophila</i>	21 ^a				58 (19)	88 (16)	71 (21)	95 (21)		58 (19)	68 (19)	85 (20)			100 (20)										60 (5)
<i>Burkholderia pseudomallei</i>	16 ^a					100 (16)				100 (16)															100 (16)
<i>Enterobacter cloacae</i> complex	120	R	R		79 (120)		62 (118)	83 (107)		91 (119)	94 (119)	95 (120)	65 (120)		71 (28)	100 (114)	80 (114)						68 (19)		68 (85)
<i>Escherichia coli</i>	968		22 (968)	77 (968)	94 (968)		60 (968)	85 (968)		99 (968)	99 (968)	99 (968)	35 (968)		44 (527)	100 (968)	73 (968)			99 (507)			99 (422)		51 (860)
<i>Haemophilus influenzae</i> (all isolates)	2		100 (2)	100 (2)			100 (2)						100 (2)												
(age 0-5 years old)	1		100 (1)	100 (1)			100 (1)						100 (1)												
(age > 5 years old)	1		100 (1)	100 (1)			100 (1)						100 (1)												
(Sterile sites) ^b	2		100 (1)	100 (1)			100 (1)						100 (1)												
(Non-sterile sites) ^c	0																								
<i>Serratia marcescens</i>	35	R	R				94 (35)	100 (35)		100 (35)	100 (35)	100 (35)	86 (35)		100 (35)	100 (35)	100 (35)						R		100 (35)
<i>Klebsiella pneumoniae</i> (all isolates)	708	R	67 (708)		71 (708)		62 (708)	79 (708)		89 (708)	91 (708)	90 (708)	56 (708)		59 (708)	99 (708)	83 (708)						59 (708)		65 (708)
(ICU)	111	R	53 (111)		68 (111)		50 (111)	66 (111)		83 (111)	83 (111)	83 (111)	49 (111)			99 (111)	81 (111)								56 (111)
(inpatient)	372	R	66 (372)		77 (372)		61 (372)	79 (372)		90 (372)	90 (372)	90 (372)	54 (372)			99 (372)	80 (372)								64 (372)
(outpatient)	124	R	75 (124)		82 (124)		71 (124)	82 (124)		97 (124)	97 (124)	97 (124)	64 (124)			98 (124)	86 (124)								73 (124)

Gram negative

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Organism		TOTAL ISOLATES	BETA - LACTAMS								CARBAPENEMS			QUINOLONES			AMINOGLYCOSIDES		GLYCOPEPTIDES		MISCELLANEOUS					
			AMPICILLIN	AMOXICILLIN/CLAVULANIC ACID	AMPICILLIN / SULBACTAM	PIPERACILLIN /TAZOBACTAM	CEFTAZIDIME	CEFTRIAZONE	CEFEPIME	OXACILLIN ^f	ERTAPENEM	IMPENEM	MEROPENEM	CIPROFLOXACIN	LEVOFLOXACIN	NORFLOXACIN ^u	AMIKACIN	GENTAMICIN	GENTAMICIN 120 µg ^h	VANCOMYCIN	FOSFOMYCIN	CLINDAMYCIN	ERYTHROMYCIN	NITROFURANTOIN ^u	CHLORAMPHENICOL	CO-TRIMOXAZOLE
Gram negative	<i>Morganella morganii</i>	47	R	R		98 (47)		93 (47)	98 (47)		98 (47)	26 (47)	100 (47)	81 (47)		91 (47)	100 (47)	94 (47)					R		89 (47)	
	<i>Proteus mirabilis</i>	162	67 (162)	75 (162)		99 (162)		91 (162)	94 (162)		91 (162)	26 (162)	100 (162)	73 (162)		84 (162)	100 (162)	85 (162)					R		68 (162)	
	<i>Pseudomonas aeruginosa</i>	392	R	R		71 (392)		R	87 (392)		R	79 (392)	77 (392)	88 (392)		79 (392)	79 (392)	91 (392)						R	R	
	<i>Salmonella</i> , non-Typhoidal	117	65 (117)					97 (117)						75 (117)												94 (117)
	<i>Serratia marcescens</i>	35	R	R				94 (35)	100 (35)		100 (35)	100 (35)	86 (35)			100 (35)	100 (35)	100 (35)					R			100 (35)
	<i>Stenotrophomonas maltophilia</i>	93	R	R		R		R			R	R	R		94 (93)		R	R	R		R					97 (93)
	<i>Vibrio parahaemolyticus</i>	6 ^a					100 (6)						100 (6)													
Gram positive	<i>Enterococcus faecalis</i>	192	99 (192)				R	R	R					60 (192)	45 (192)	R	R	61 (192)	100 (192)	95 (192)	R	13 (192)	91 (192)		R	
	<i>Enterococcus faecium</i>	83	4 (83)				R	R	R					5 (83)	2 (83)	R	R	81 (83)	94 (83)		R	3 (83)	11 (83)		R	
	All <i>Enterococcus</i> spp.	289	72 (289)											46 (289)	31 (289)			68 (289)	97 (289)			12 (289)	69 (289)			
	<i>Staphylococcus aureus</i> (all isolates)	454						91 (454)				94 (454)		91 (454)		94 (454)		100 (454)			92 (429)	91 (429)	100 (454)		93 (454)	
	(MRSA)	39						0 (39)				56 (39)		33 (39)		67 (39)		100 (39)			47 (34)	50 (34)	100 (39)		79 (39)	
	(MSSA)	415						100 (415)				98 (415)		100 (415)		97 (415)		100 (415)			96 (395)	95 (395)	100 (415)		94 (415)	
	(ICU)	43						84 (43)				88 (43)		100 (43)		88 (43)		100 (43)			83 (40)	83 (40)			88 (43)	
	(inpatient)	233						91 (233)				97 (233)		93 (233)		97 (233)		100 (233)			94 (219)	94 (219)			97 (233)	
	(outpatient)	71						86 (71)				92 (71)		75 (71)		92 (71)		100 (71)			89 (66)	91 (66)			89 (71)	
	<i>Staphylococcus</i> , coagulase negative	889						31 (889)				51 (889)				67 (889)		100 (889)			41 (889)	32 (889)			74 (889)	
<i>Staphylococcus</i> , coagulase negative (blood)	702						31 (702)				57 (702)				67 (702)		100 (702)			40 (702)	31 (702)			75 (702)		

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		AMPICILLIN	AMOXICILLIN/CLAVULANIC ACID	AMPICILLIN / SULBACTAM	PIPERACILLIN /TAZOBACTAM	CEFTAZIDIME	CEFTRIAZONE	CEFEPIME	OXACILLIN ^f	ERTAPENEM	IMPENEM	MEROPENEM	CIPROFLOXACIN	LEVOFLOXACIN	NORFLOXACIN ^u	AMIKACIN	GENTAMICIN	GENTAMICIN 120 µg ^h	VANCOMYCIN	FOSFOMYCIN	CLINDAMYCIN	ERYTHROMYCIN	NITROFURANTOIN ^u	CHLORAMPHENICOL	CO-TRIMOXAZOLE	
Gram positive	<i>Streptococcus agalactiae</i>	59	100 (59)	100 (59)				100 (59)										100 (59)		87 (59)	83 (59)					
	<i>Streptococcus pyogenes</i>	70	100 (70)	100 (70)				100 (70)										100 (70)		96 (70)	94 (70)					
	<i>Streptococcus pneumoniae</i> (all isolates)	30	100 (30)					100 (30)																		
	(age 0-5 years old)	0																								
	(age > 5 years old)	30	100 (30)					100 (30)																		
	(Sterile sites) ^b	19 ^a	100 (19)					100 (19)																		
	(Non-sterile sites) ^c	11 ^a	100 (11)					100 (11)																		

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

^b : Blood, Pleural Fluid, CSF

^c : Sputum, Ear, Sinus

^d : Interpret according to oxacillin susceptibility test

^e : MIC Interpretive Criteria

^f : Interpret according to cefoxitin susceptibility test

^h : High-Level Aminoglycoside

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

R : Intrinsic resistance

