

Percentage of susceptible Organisms Isolated From Blood, 9 hospitals, Jan - Dec 2019 (RMSc4 Saraburi)

Organism	TOTAL ISOLATES	BETA - LACTAMS											CARBAPENEMS			POLY MYCINS	QUINOLONES		AMINOGLYCOSIDES			GLYCOPEPTIDES		MISCELLANEOUS												
		PENICILLIN	PENICILLIN BY MIC	AMPICILLIN	AMOXICILLIN/CLAVULANIC ACID	AMPICILLIN/ SULBACTAM	PIPERACILLIN/ TAZOBACTAM	CEFAZOLIN (A)	CEFTIOXIME SODIUM (parenteral) <sup>a</sup>	CEFOPERAZONE / SULBACTAM	CEFOTAXIME	CEFTAZIDIME	CEFTRIAXONE	CEFEPIME	OXAACILLIN	CEFOXITIN	ERTAPENEM	IMIPENEM	MEROPENEM	COLISTIN BY MIC	CIPROFLOXACIN	CIPROFLOXACIN BY MIC	LEVOFLOXACIN	AMIKACIN	GENTAMICIN	GENTAMICIN 120 µg	VANCOMYCIN	VANCOMYCIN BY MIC	TEICoplanin	CLINDAMYCIN	CLINDAMYCIN BY MIC	ERYTHROMYCIN	ERYTHROMYCIN BY MIC	CHLORAMPHENICOL	CO-TRIMOXAZOLE	TETRACYCLINE
<i>Acinetobacter calcoaceticus-baumanni</i> complex	445			R	R	45.6 (79)	46.5 (346)			16.5 (200)	44.2 (362)	15.4 (182)	-		R	46.4 (351)	44.6 (345)	0.7 (147)	45.3 (358)			51.2 (80)	56.5 (361)	52.5 (358)									R	46.9 (290)		
<i>Acinetobacter</i> spp.	100					74 (73)				44 (50)	63.6 (79)	40 (35)	-				71.4 (77)	55.6 (73)	-	71.1 (76)			-	75.6 (78)	72.4 (76)										58.6 (51)	
<i>Aeromonas hydrophila</i>	28																																			
<i>Enterobacter cloacae</i>	93			R	R	R	90.3 (61)	R	R	93.9 (31)	58.6 (59)	71.2 (66)	59.3 (59)		R	91.8 (49)	85.5 (62)	91.5 (59)	- WT (65)	69.2 (65)			93.9 (66)	81.5 (63)										67.9 (56)		
<i>Enterobacter</i> spp.	23																																			
<i>Escherichia coli</i>	1914			17.4 (563)	73 (1067)	50.3 (159)	94.9 (1261)	38.3 (871)	59.1 (389)	96.4 (644)	81 (1061)	71.1 (1318)	81.8 (1141)	83.3 (42)		91.4 (510)	96.7 (1045)	97.2 (1153)	97.9 (1090)	- WT (1272)	45.3 (1272)		56.7 (254)	98.7 (1316)	64.1 (1274)									46.3 (1050)		
<i>Klebsiella pneumoniae</i>	849			R	86.5 (593)	83 (92)	77.4 (611)	50.3 (443)	51.1 (229)	84.2 (272)	62.2 (548)	67.9 (644)	83.9 (585)			75.1 (285)	79.8 (305)	81 (369)	81.8 (559)	- WT (559)	55.2 (625)		71.5 (130)	90.1 (644)	83.9 (628)									63.3 (537)		
<i>Klebsiella</i> spp.	74			12.5 (48)	36.4 (33)	54.5 (33)	85.2 (61)	24.2 (33)		74.2 (31)	55.6 (63)	65.2 (66)	56.5 (62)			59.5 (37)	85.1 (47)	88.5 (61)	87.7 (57)	-	56.9 (65)			91 (67)	75 (64)								70 (60)			
<i>Morganella morganii</i>	23			R	R			R	R											R																
<i>Proteus mirabilis</i>	174			47.9 (71)	87.1 (116)		99.3 (143)	34.1 (82)	79.6 (54)	100 (82)	82.4 (119)	88.7 (151)	83.5 (121)			97.6 (42)	97.8 (92)	93.9 (132)	98.6 (138)	R	63.7 (146)		64.3 (37)	98.7 (151)	78.2 (147)								60.6 (132)	R		
<i>Pseudomonas aeruginosa</i>	209			R	R	R	85.8 (183)				R	84.8 (191)				R	80.3 (173)	89.4 (182)	100 (82)	83.4 (187)			90.6 (31)	89.4 (188)	85.6 (188)									R	R	
Salmonella, typhoidal	2																																			
Salmonella spp.	145			43.5 (92)						100 (41)	89.1 (64)	82.9 (76)	86.4 (81)																					89.9 (89)		
<i>Enterococcus faecalis</i>	165	88.7 (115)		97.4 (155)				R	R	R	R	R	R	R									R	R	98.1 (162)	100 (40)		R	R	31.7 (63)				R		
<i>Enterococcus faecium</i>	101	28.4 (67)		33.7 (95)				R	R	R	R	R	R	R									R	R	89.7 (97)	97.7 (43)		R	R	10.9 (46)				R		
<i>Enterococcus</i> spp.	45			83.7 (43)																																
<i>Staphylococcus aureus</i> (all isolates)	642	11 (210)																				90.1 (385)		97.9 (47)	94 (485)		97.5 (81)		82.7 (608)		76.8 (594)			97.4 (494)	55.7 (183)	
(MRSA)	4																																			
(MSSA)	31																																			
<i>Staphylococcus</i> , coagulase negative	3874	13 (630)																																		
(MRCNS)	28																																			
(MSCNS)	26																																			
<i>Streptococcus agalactiae</i>	98	98.4 (62)																																		
<i>Streptococcus, beta-haem. not Group A,B,D</i>	88	97.5 (40)																																		
<i>Streptococcus pneumoniae</i>	127			50 (36)																																
<i>Streptococcus pyogenes</i>	146	94.6 (82)		94.3 (35)																																
<i>Streptococcus</i> spp. Viridans Group	446																																			

<sup>a</sup> : No CLSI Interpretive Criteria. Interpret according to cefoperazone/sulbactam in *Enterobacteriaceae*

<sup>d</sup> : Interpret according to oxacillin susceptibility test

<sup>e</sup> : MIC Interpretive Criteria

<sup>f</sup> : Interpret according to cefoxitin susceptibility test

<sup>b</sup> : High-Level Aminoglycoside

<sup>i</sup> : MIC Interpretive Criteria, For the 20% nonsusceptible, 15% were intermediate (MIC 0.25 to 2µg/mL) and 5% were resistant (MIC  $\geq$  4 µg/mL) to penicillin.

R : Intrinsic resistance

