

**Percentage of susceptible Organisms Isolated From Blood, 87 hospitals, Jan - Dec 2021**

Organism	TOTAL ISOLATES	BETA - LACTAMS											CARBAPENEMS				POLY MYXINS	QUINOLONES		AMINOGLYCOSIDES	GLYCOPEPTIDES		MISCELLANEOUS											
		PENICILLIN	PENICILLIN BY MIC	AMPICILLIN	AMOXICILLIN/CLAVULANIC ACID	AMPICILLIN /SULBACTAM	PIPERACILLIN /TAZOBACTAM	CEFZOLIN (A)	CEFUROXIME SODIUM (parenteral)	CEFOPERAZONE /SULBACTAM <sup>a</sup>	CEFTOXIME	CEFTAZIDIME	CEFTRIAXONE	CEFEPIME	OXACILLIN	CEFOXITIN	ERTAPENEM	IMPENEM	MEROPENEM	COLISTIN BY MIC	CIPROFLOXACIN	LEVOFLOXACIN	AMIKACIN	GENTAMICIN	GENTAMICIN 120 µg	VANCOMYCIN	TEICOPLANIN	CLINDAMYCIN	ERYTHROMYCIN	CHLORAMPHENICOL	CO-TRIMOXAZOLE	TETRACYCLINE		
<i>Acinetobacter calcoaceticus-baumannii</i> complex	6150			R	R	33.2 (1804)	31.5 (5358)			17.4 (3586)	31.9 (5873)	17 (4101)	29.2 (3021)			R	33.2 (5412)	33.7 (5865)	98 (2793)	36.6 (5833)	48 (4274)	48 (4970)	40.3 (4631)							R	41.6 (4204)			
<i>Acinetobacter</i> spp.	894					81.6 (250)	80.4 (724)			53.4 (511)	70.1 (840)	58.7 (603)	75.1 (442)				82.1 (761)	77.6 (831)		80.2 (838)	89.7 (841)	91.6 (841)	83.8 (647)									56.7 (586)		
<i>Aeromonas hydrophila</i>	437						79.6 (338)	88 (83)		84.3 (255)	92.8 (359)	83.1 (360)	89.7 (195)		33.1 (157)	84 (331)	62.6 (313)	81.4 (339)		93.4 (412)	95.7 (254)	98.9 (371)	94.8 (310)									85.7 (329)	64.3 (42)	
<i>Enterobacter cloacae</i>	1032			R	R	R	81.1 (933)	R	R	57.6 (271)	63.6 (682)	68.3 (972)	66.3 (823)	70.7 (542)		R	88.7 (954)	89.6 (903)	92.7 (980)	88.5 (426)	58.4 (963)	71.7 (621)	98.5 (989)	82.3 (832)									74.1 (57)	70.2 (57)
<i>Enterobacter</i> spp.	297					16.7 (209)	31.7 (252)	49.3 (73)	82.3 (265)	13.2 (106)	-	77.9 (86)	66 (225)	70.3 (256)	71.1 (194)		28.3 (184)	88.3 (273)	91.9 (248)	93.5 (277)	67 (282)	73.3 (202)	93.4 (286)	82.3 (254)									82.7 (43)	-
<i>Escherichia coli</i>	17896					19.9 (12414)	75.5 (15256)	73.8 (2768)	92.4 (15535)	31.2 (5556)	-	67.4 (4726)	62.1 (11557)	74.8 (15262)	64.3 (14529)	68.4 (6837)		87.8 (8582)	96.3 (15957)	97.1 (14894)	97.2 (16619)	99.1 (6683)	46.7 (16736)	48.3 (10112)	98.5 (16736)	71.9 (14143)					81.6 (294)	47.9 (14175)	35.3 (932)	
<i>Klebsiella pneumoniae</i>	8356			R	R	66.2 (7193)	67.1 (1283)	71.2 (7507)	42.3 (2265)	-	52.5 (86)	64.3 (231)	84.6 (281)	62.6 (256)	63.9 (194)		77.7 (4024)	82 (7641)	83.5 (7067)	84.1 (7832)	93 (3307)	55 (4968)	58.4 (7909)	92.7 (6438)	84.1 (6438)					79 (100)	68.5 (6762)	69.4 (379)		
<i>Klebsiella</i> spp.	1083					2.6 (781)	56.3 (981)	58.7 (109)	78.1 (900)	38.4 (388)	-	63.9 (165)	63.9 (854)	70 (1004)	69.3 (888)	69.1 (676)		65.8 (761)	85 (954)	85.7 (956)	88.5 (1025)	93.5 (646)	62.7 (1031)	66.7 (742)	93.9 (1040)	83.7 (943)					69.8 (593)	-		
<i>Morganella morganii</i>	242			R	R		74.2 (31)	83.7 (221)	R	R	66.1 (56)	84.6 (161)	92.2 (218)	90 (200)	75.2 (141)		50.7 (142)	97.7 (219)	91.7 (201)	97.8 (227)	R	69.4 (229)	65.2 (158)	98.7 (232)	85.7 (189)								72.6 (201)	-
<i>Proteus mirabilis</i>	1281					54.3 (863)	80.5 (1042)	83.8 (191)	93.8 (1086)	27.9 (408)	-	68.5 (336)	76.4 (859)	92.3 (1124)	86.1 (1011)	80.4 (618)		92.6 (686)	94.6 (1136)	65.3 (911)	93.8 (1172)	R	67.0 (1178)	68.3 (688)	96.3 (1204)	78.5 (1007)				72.7 (11)	56.6 (1050)	R		
<i>Pseudomonas aeruginosa</i>	2423			R	R	R	76.7 (2242)				R	79.6 (2327)	R	79.3 (1251)		R	73.5 (2136)	77.4 (2317)	97.8 (1085)	97.8 (2289)	78.8 (1644)	75.5 (2353)	91.7 (1794)	85 (1794)								R	R	R
<i>Salmonella</i> , Typhoidal	-																																	
<i>Salmonella</i> spp.	1443					54.3 (1120)					56.2 (201)	83.8 (893)	87.3 (978)	85.9 (1076)											44.3 (1228)	39.6 <sup>a</sup> (556)							90.8 (1181)	
<i>Enterococcus faecalis</i>	1927	81.6 (949)	78.3 (568)	95.5 (1886)			R	R	R	R	R	R	R	R								R	R	72.1 <sup>h</sup> (498)	97.7 (1983)	99.3 (403)	R	16.2 (1136)			R			
<i>Enterococcus faecium</i>	1361	12.5 (577)	16 (438)	12.8 (1336)			R	R	R	R	R	R	R									R	R	83.1 <sup>h</sup> (419)	91.5 (1349)	88.4 (345)	R	4.6 (855)			R			
<i>Enterococcus</i> spp.	388	76.9 (182)	78.2 (101)	80.6 (377)																			93.6 <sup>h</sup> (109)	88.2 (348)	93.8 (80)	41 (249)								
<i>Staphylococcus aureus</i> (all isolates)	6816	11.4 (947)	15.2 (2682)											87.4 <sup>i</sup> (6751)							90.9 (3927)	93 (2312)	94.4 (5174)	98.9 <sup>g</sup> (3363)	98.7 <sup>g</sup> (2209)	88.4 (6414)	84.9 (6239)	94.1 (1998)	93.4 (1984)	60.7 (3360)				
(MRSA)	614	0.0 (87)	0.0 (274)											0.0 <sup>i</sup> (614)							45.9 (401)	43.1 (211)	84.8 (492)	96.3 <sup>g</sup> (375)	94.9 <sup>g</sup> (253)	39.3 (611)	35.9 (610)	78.3 (184)	77.9 (542)	51.7 (296)				
(MSSA)	5656	12.8 (749)	16.8 (2464)											94.9 <sup>i</sup> (5656)							95.7 (3408)	96.2 (2012)	96.7 (4621)	99.1 <sup>g</sup> (3060)	99.2 <sup>g</sup> (2010)	92.8 (5592)	89.6 (5426)	96.1 (1775)	93.9 (5038)	61.6 (3098)				
<i>Staphylococcus</i> , coagulase negative	25910	12.5 (3595)	11.1 (8477)											31.1 <sup>i</sup> (24832)							54.7 (12335)	58.5 (6869)	69.2 (17868)	98.7 <sup>g</sup> (11852)	94.6 <sup>g</sup> (7624)	45 (23829)	35.6 (23622)	90.0 (6109)	64.3 (21565)	61.5 (12300)				
(MRCNS)	14799	0.0 (1863)	0.0 (6003)											0.0 <sup>i</sup> (14799)							35.6 (8178)	41.4 (4591)	55.6 (14556)	98.3 <sup>g</sup> (4843)	94.3 <sup>g</sup> (5497)	24.6 (14628)	15.2 (14551)	88.0 (4146)	52.9 (12339)	58.8 (8306)				
(MSCNS)	8076	27.4 (1299)	32.1 (2906)											89.0 <sup>i</sup> (8076)							92.1 (4106)	92.1 (2278)	95.8 (6156)	99.4 <sup>g</sup> (3876)	95.9 <sup>g</sup> (2524)	80.4 (7993)	71.5 (7859)	96.3 (2007)	84.1 (6799)	70.5 (3984)				
<i>Streptococcus agalactiae</i>	1285	98.8 (161)	97.8 (625)	98.1 (481)							98.3 (632)	97.9 (850)	95.9 (196)										95 (662)	99.2 (970)										
<i>Streptococcus</i> , β-hemolytic not Group A,B,D	1159	92.1 (165)	92.4 (501)	90.9 (439)							96.5 (686)	96.9 (747)	92.5 (228)										97.4 (916)	99.3 (866)										
<i>Streptococcus pneumoniae</i>	655	84.5 <sup>d</sup> (200)	54.5 (288)																					98.2 (342)	99.5 (563)							50 (458)	37.6 (271)	
<i>Streptococcus pyogenes</i>	1556	100 (184)	98.0 (683)	98.5 (585)							99.3 (638)	98.9 (1033)	90.4 (333)										99 (863)	99.5 (1254)										
<i>Streptococcus</i> spp. Viridans Group	2872		20.2 <sup>f</sup> (1153)	77.9 <sup>e</sup> (344)								87.3 (1633)	87.1 (1763)	92.9 (380)										97.2 (1178)	93.4 (863)								34.4 (783)	

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

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

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

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

\* ข้อควรระวังในการใช้ disk diffusion test MIC กับการนับ

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

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

R : Intrinsic resistance

\* COLISTIN ค่าที่พบผล Intermediate

