

Microbiology Laboratory ---- Phyathai 2 Hospital



Percentage of Susceptible Organism * January - December 2017		Antibiotics																															
		Penicillin	Ampicillin ^a	Amoxicillin/Subb.	Amoxicillin/Clav.	Methicillin ^b	Piperacillin/T.azo.	Cefuroxime	Cefepime/azone/Subb.	Cefotaxime	Ceftazidime	Ceftazidime	Ceftriaxone	Cefepime	Imipenem	Meropenem	Ertapenem	Doripenem	Blapenem	Norfloxacin	Ciprofloxacin	Levofloxacin	Sifalofloxacin	Gentamicin	Amikacin	Clindamycin	Erythromycin	Trimetho./Sulfa.	Vancormycin	Fosfomycin	Fucidic acid	Teicoplanin	Tigecycline
<i>Acinetobacter baumannii</i>	ALL			69 (35)		66 (35)	77 (35)			80 (35)	66 (35)	60 (35)	60 (35)							54 (35)	82 (34)	94 (35)										91 (33)	
<i>Pseudomonas aeruginosa</i>	ICU					90 (52)	88 (52)			94 (106)	96 (106)	77 (106)	79 (106)				81 (101)			87 (106)	85 (106)	92 (106)											
	IPD					95 (106)	94 (106)			94 (106)	93 (106)	85 (106)	90 (106)				92 (101)			91 (106)	85 (106)	96 (106)											
	OPD					98 (50)	96 (50)			100 (50)	100 (50)	94 (50)	96 (50)				96 (49)			98 (50)	96 (50)	100 (50)											
	ALL					95 (255)	95 (255)			96 (255)	96 (255)	88 (254)	90 (255)				90 (249)			88 (42)	91 (254)	87 (255)											
<i>Stenotrophomonas maltophilia</i>	ALL																				83 (35)	100 (35)					97 (35)						
<i>Escherichia coli</i>	ICU	22 (92)	67 (93)	74 (93)	97 (93)	67 (93)	98 (93)	67 (93)	67 (93)	80 (93)	76 (93)	100 (93)	100 (93)	100 (93)	100 (93)	100 (93)	100 (93)	100 (93)	100 (90)	36 (47)	48 (93)	49 (93)	88 (91)	74 (92)	100 (93)			41 (93)	97 (93)	97 (93)	97 (93)		
	IPD	19 (324)	72 (325)	79 (325)	97 (325)	71 (325)	98 (325)	72 (325)	74 (325)	82 (325)	79 (325)	100 (325)	100 (325)	100 (325)	100 (325)	100 (325)	100 (325)	100 (325)	100 (321)	45 (174)	51 (324)	51 (325)	87 (324)	66 (323)	100 (325)			47 (325)	97 (323)	99 (323)	99 (323)		
	OPD	17 (303)	68 (302)	81 (303)	97 (303)	75 (302)	97 (303)	77 (303)	79 (303)	88 (301)	84 (303)	100 (303)	100 (303)	100 (302)	100 (302)	100 (302)	100 (302)	100 (298)	44 (253)	48 (303)	49 (300)	89 (302)	69 (303)	100 (303)			45 (303)	96 (303)	99 (301)	99 (301)			
	ALL	18 (736)	69 (737)	79 (738)	97 (738)	73 (737)	98 (738)	74 (738)	75 (738)	85 (736)	81 (738)	100 (738)	100 (738)	100 (737)	100 (737)	100 (737)	100 (737)	100 (726)	45 (485)	50 (737)	50 (738)	88 (732)	69 (734)	100 (738)			45 (738)	97 (735)	99 (734)	99 (734)			
<i>Escherichia coli</i> (ESBLs)**	ICU	0 (32)	25 (32)	59 (32)	100 (32)	0 (32)	94 (32)	0 (32)	0 (32)	28 (32)	9 (32)	100 (32)	100 (32)	100 (32)	100 (32)	100 (32)	100 (31)	100 (31)	100 (31)	19 (57)	20 (108)	20 (107)	72 (107)	33 (106)	99 (108)			21 (107)	88 (106)	96 (107)	96 (107)		
	IPD	0 (108)	44 (108)	66 (108)	91 (108)	0 (108)	97 (108)	0 (108)	0 (108)	31 (108)	14 (108)	99 (108)	100 (107)	99 (107)	99 (107)	99 (107)	99 (107)	99 (107)	100 (107)	19 (60)	20 (71)	20 (71)	72 (71)	33 (71)	99 (71)			21 (71)	88 (70)	96 (71)	96 (71)		
	OPD	0 (71)	40 (70)	68 (71)	96 (71)	0 (71)	83 (71)	0 (71)	0 (71)	42 (71)	8 (71)	99 (71)	100 (71)	100 (71)	100 (71)	100 (71)	100 (71)	100 (71)	100 (71)	28 (60)	28 (71)	28 (71)	70 (71)	38 (71)	100 (71)			28 (71)	91 (70)	97 (71)	97 (71)		
	ALL	0 (217)	40 (216)	66 (217)	94 (217)	0 (217)	92 (217)	0 (217)	0 (217)	35 (217)	12 (217)	99 (217)	100 (217)	100 (216)	100 (216)	100 (216)	100 (215)	100 (215)	100 (138)	25 (138)	24 (217)	24 (217)	71 (216)	35 (215)	100 (217)			25 (216)	88 (214)	96 (216)	96 (216)		
<i>Klebsiella pneumoniae</i>	ICU	0 (56)	75 (56)	93 (56)	95 (56)	84 (56)	93 (56)	88 (56)	91 (56)	96 (56)	91 (56)	100 (56)	100 (56)	100 (56)	100 (56)	100 (56)	100 (55)	100 (55)	100 (55)	100 (55)	80 (56)	84 (56)	87 (55)	93 (56)	100 (56)			71 (56)	89 (56)	88 (56)	88 (56)		
	IPD	0 (133)	75 (133)	81 (133)	96 (133)	79 (132)	97 (133)	88 (133)	92 (133)	88 (133)	92 (133)	100 (133)	100 (133)	100 (132)	100 (132)	100 (132)	100 (130)	100 (130)	100 (130)	73 (62)	74 (133)	79 (133)	87 (131)	92 (132)	100 (133)			74 (133)	89 (132)	86 (133)	86 (133)		
	OPD	0 (91)	58 (90)	66 (91)	89 (90)	73 (91)	93 (91)	79 (91)	80 (91)	82 (90)	82 (91)	100 (91)	100 (91)	99 (91)	99 (91)	99 (91)	99 (91)	99 (91)	100 (91)	51 (65)	52 (91)	63 (91)	72 (89)	82 (91)	98 (91)			53 (91)	87 (90)	86 (90)	86 (90)		
	ALL	0 (294)	71 (293)	79 (294)	94 (293)	79 (293)	95 (294)	86 (294)	88 (294)	88 (293)	89 (294)	100 (294)	100 (294)	100 (293)	100 (293)	100 (293)	100 (290)	100 (290)	100 (142)	63 (294)	70 (294)	76 (294)	83 (289)	90 (293)	99 (294)			68 (294)	89 (292)	87 (293)	87 (293)		
<i>Klebsiella pneumoniae</i> (ESBLs)**	ALL	0 (45)	7 (45)	38 (45)	78 (45)	0 (45)	78 (45)	0 (45)	0 (45)	11 (45)	4 (45)	100 (45)	100 (45)	100 (45)	100 (45)	100 (43)	100 (43)	100 (43)	100 (43)	20 (45)	36 (45)	53 (43)	42 (45)	82 (45)			29 (45)	91 (45)	87 (45)	67 (45)			
<i>Proteus mirabilis</i>	ALL	39 (85)	72 (85)	84 (85)	100 (85)	74 (85)	100 (85)	76 (85)	75 (85)	95 (85)	78 (85)	93 (85)	100 (85)	100 (85)	100 (85)	100 (84)	100 (84)	100 (84)	100 (84)	69 (54)	61 (85)	65 (84)	98 (83)	76 (85)	100 (85)			49 (84)	84 (80)				
<i>Enterobacter cloacae</i>	ALL	0 (40)	13 (39)	0 (40)	83 (40)	40 (40)	85 (40)	45 (40)	45 (40)	55 (40)	60 (40)	100 (40)	100 (40)	100 (40)	100 (40)	100 (40)	100 (40)	100 (40)	100 (31)		75 (40)	95 (40)	69 (39)	100 (40)	100 (40)			68 (40)	88 (40)	89 (38)	89 (38)		
<i>Citrobacter spp.</i>	ALL	0 (32)	90 (31)	75 (32)	91 (32)	81 (32)	94 (32)	84 (32)	84 (32)	91 (32)	88 (32)	97 (32)	97 (32)	94 (32)	94 (32)	94 (32)	94 (32)	94 (32)	100 (31)		88 (32)	88 (32)	100 (32)	88 (32)	100 (32)			91 (32)	97 (32)	100 (32)	100 (32)		
<i>Salmonella spp.</i>	ALL	49 (240)																		96 (232)	63 (240)								88 (240)				
<i>Staphylococcus aureus</i> (MSSA)	IPD				100 (53)																		96 (53)	81 (53)	81 (53)	100 (53)			100 (53)	100 (53)	100 (53)	100 (53)	
	OPD				100 (42)																		98 (42)	86 (36)	86 (36)	100 (42)			100 (42)	98 (42)	100 (42)	100 (42)	
	ALL				100 (148)																		97 (147)	85 (141)	86 (142)	99 (148)			98 (146)	99 (146)	100 (147)	100 (146)	
Coagulase Negative <i>Staphylococci</i>	ALL				100 (64)																	92 (64)	55 (55)	44 (55)	80 (64)			61 (64)	75 (63)	100 (64)	100 (64)		
Coag.Negative <i>Staphylococci</i> (MRCoNS)	ALL				0 (86)																	66 (85)	11 (70)	19 (69)	58 (86)			68 (85)	58 (85)	100 (85)	100 (86)		
<i>Streptococcus gr.B</i>	ALL	100 (48)																										81 (32)	84 (32)				
<i>Enterococcus faecalis</i>	ALL	95 (114)	100 (114)																	56 (55)								100 (114)	73 (112)			100 (114)	100 (114)

The result can apply to:

- a. ampicillin, amoxicillin, bacampicillin, cyclacillin and hetaacillin
- b. methicillin, oxacillin, nafcillin, cloxacillin , and dicloxacillin

NOTE:

() Number of Organism Tested

* Susceptible not include Intermediate

MDR : Multiple Drug Resistant

ESBLs: Extended Spectrum

β -Lactamase

MRCoNS : Methicillin Resistant

Coagulase negative Staphylococci

** ยกเลิกรายงาน ESBLs ตั้งแต่ 1 ก.ย. 2560