## Percentage of susceptible Organisms Isolated From Blood, 4 hospitals, Bangkok, Jan - Dec 2017

| | Organism | TOTAL ISOLATES | BETA - LACTAMS | | | | | | | | | | | | | | | | CARBAPENEMS | | | | | | POLY MYXINS | QUINOLONES | | | | AMINOGLYCOSIDES | | | | GLYCOPEPTIDES | | | MISCELLANEOUS | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | PENICILLIN | AMPICILLIN | AMOXICILLIN/ CLAVULANIC ACID | AMPICILLIN / SULBACTAM | PIPERACILLIN / TAZOBACTAM | CEFAZOLIN (A) | CEFUROXIME SODIUM (parenteral) | CEFOPERAZONE / SULBACTAM | CEFOTAXIME | CEFOTAXIME BY MIC [a] | CEFTAZIDIME | CEFTAZIDIME BY MIC | CEFTRIAXONE | CEFEPIME | OXACILLIN | CEFOXITIN | ERTAPENEM | ERTAPENEM BY MIC | IMIPENEM | IMIPENEM BY MIC | MEROPENEM | MEROPENEM BY MIC | COLISTIN BY MIC | NALIDIXIC ACID | CIPROFLOXACIN | LEVOFLOXACIN | OFLOXACIN | AMIKACIN | GENTAMICIN | GENTAMICIN 120 µg | NETILMICIN | VANCOMYCIN | VANCOMYCIN BY MIC | TEICOPLANIN | CLINDAMYCIN | CLINDAMYCIN BY MIC | ERYTHROMYCIN | ERYTHROMYCIN BY MIC | CHLORAMPHENICOL | CO-TRIMOXAZOLE | TETRACYCLINE |
| Gram negative | *Acinetobacter calcoaceticus-baumannii* complex | 39 | | | | 52.9 (34) | 51.4 (37) | | | | | | 51.4 (37) | | | 48.6 (37) | | | | | | | 48.6 (37) | | [e] | | 48.6 (37) | | | 67.2 (37) | 54.1 (37) | | [e] | | | | | | | | | 42.5 (40) | |
| Gram negative | *Acinetobacter* spp. | 49 | | | | | 50 (46) | | | | 3.3 (30) | | 47.8 (46) | | | 47.8 (46) | | | | | 52.2 (46) | | 52.2 (46) | | [e] | | 43.5 (46) | | | 56.5 (46) | 45 (40) | | [e] | | | | | | | | | 42.5 (40) | |
| Gram negative | *Aeromonas hydrophila* | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gram negative | *Enterobacter cloacae* | - | | | | | | | | | | | | | | | | | | | | | | | [WT] | | | | | | | | | | | | | | | | | | |
| Gram negative | *Enterobacter* spp. | 137 | | 2.2 (136) | 2.9 (137) | | 94.2 (121) | | 35.5 (121) | 99.2 (120) | 90.6 (127) | | 94.9 (137) | | 79.4 (34) | 98.5 (131) | | 1 (103) | | | 95.9 (123) | | 99.2 (129) | | | | 86.9 (137) | | | 98.5 (137) | 94.9 (137) | | 98.2 (109) | | | | | | | | | 90.5 (137) | |
| Gram negative | *Escherichia coli* | 680 | | 14.6 (680) | 72.2 (680) | 66.8 (316) | 94 (470) | | 60.6 (467) | 94 (468) | 61.4 (542) | | 72.5 (680) | | 62.8 (530) | 64.3 (605) | | 90 (150) | 99.3 (138) | | 99.5 (595) | | 99.7 (599) | | 100 (35) [WT] | | 55.2 (679) | 53.6 (375) | | 99.1 (680) | 61.5 (678) | | 95.6 (225) | | | | | | | | | 41.1 (679) | 29.1 (213) |
| Gram negative | *Klebsiella pneumoniae* | 222 | | | 79.2 (221) | 76.3 (93) | 82.8 (157) | | 72 (157) | 86.6 (157) | 75.1 (169) | | 77.4 (221) | | 79.6 (157) | 78.4 (208) | | 85.7 (63) | 88.5 (52) | | 92.8 (181) | | 92.8 (180) | | [WT] | | 71 (221) | 68.6 (105) | | 96.4 (221) | 86.8 (220) | | 92.1 (76) | | | | | | | | | 71.5 (221) | 65.6 (64) |
| Gram negative | *Klebsiella* spp. | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gram negative | *Morganella morganii* | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gram negative | *Proteus mirabilis* | 44 | | 50 (44) | 88.6 (44) | | | | | | 87.9 (33) | | 95.5 (44) | | | 83.8 (37) | | | | | 80 (35) | | 100 (35) | | | | 70.5 (44) | | | 97.7 (44) | 77.3 (44) | | | | | | | | | | | 54.5 (44) | |
| Gram negative | *Pseudomonas aeruginosa* | 70 | | | | | 80 (70) | | | | | | 84.3 (70) | | | 78.6 (70) | | | | | 80.9 (68) | | 78.6 (70) | | [e] | | 78.6 (70) | 73.2 (41) | | 88.6 (70) | 78.7 (47) | | | | | | | | | | | |
| Gram negative | Salmonella, typhoidal | - | | | | | | | | | | [e] | | | [e] | | | | | | | | | | | [e] | | [e] | [e] | | | | | | | | | | | | | | |
| Gram negative | *Salmonella* , Non-typhoidal | 58 | | 29.8 (57) | | | | | | 96.7 (30) | 78.3 (46) | | 72.7 (44) | | 74.4 (43) | | | | | | | | | | | | 31 (58) | [e] | [e] | | | | | | | | | | | | | 71.9 (57) |
| Gram positive | *Enterococcus faecalis* | 43 | 76.5 (34) | 95.3 (43) | | | | | | | | | | | | | | | | | | | | | | | | | | | | 69.8 (43) [h] | | 100 (43) | | 100 (31) | | | | | | | |
| Gram positive | *Enterococcus faecium* | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | [h] | | | | | | | | | | | |
| Gram positive | *Enterococcus* spp. | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | [h] | | | | | | | | | | | |
| Gram positive | *Staphylococcus aureus* (all isolates) | 169 | | | | | | | | | | | | | | | 86.2 (145) [f] | | | | | | | | | | 83.1 (59) | | | | 90 (110) | | | | 100 (56) | 100 (62) [e] | 82.6 (121) | 84.8 (46) | 76 (121) | 82.6 (46) | 100 (46) | 99.2 (121) | 68.8 (48) |
| Gram positive | (MRSA) | - | | | | | | | | | | | | | | | [f] | | | | | | | | | | | | | | | | | | | [e] | | | | | | | | |
| Gram positive | (MSSA) | 125 | | | | | | | | | | | | | | | 100 (125) [f] | | | | | | | | | | 94.2 (52) | | | | 97.9 (95) | | | | | 100 (53) [e] | 92.4 (105) | | 87.6 (105) | | | 100 (105) | 66.7 (42) |
| Gram positive | *Staphylococcus,* coagulase negative | 559 | 9.1 (44) | | | | | | | | | | | | | | 42.7 (487) [f] | | | | | | | | | | 54 (187) | | | 100 (48) | 74.9 (387) | | | | 100 (121) | 99.6 (249) [e] | 45.2 (436) | 43 (121) [e] | 33.9 (434) | 34.7 (121) | 91 (122) | 72.3 (433) | 73.2 (138) |
| Gram positive | (MRCNS) | 280 | | | | | | | | | | | | | | | 0 (280) [f] | | | | | | | | | | 32.2 (115) | | | | 58.5 (212) | | | | 100 (38) | 100 (126) [e] | 30.3 (241) | 21.1 (38) | 12.9 (240) | 10.5 (38) | 89.7 (39) | 57.3 (241) | 69.4 (85) |
| Gram positive | (MSCNS) | 212 | | | | | | | | | | | | | | | 100 (212) [f] | | | | | | | | | | 87.8 (74) | | | | 94.4 (179) | | | | | 99.2 (126) [e] | 63 (200) | | 59.8 (199) | | | 90.4 (197) | 79.6 (54) |
| Gram positive | *Streptococcus agalactiae* | - | | | | | | | | | | | | | | | | | | [e] | | | | [e] | | | | | | | | | | | | | | | | | | | |
| Gram positive | *Streptococcus,* beta-haem. not Group A,B | 38 | | | | | | | | | | | | | 100 (35) | | | | | [e] | | | | [e] | | | | | | | | | | | | | | 80 (35) | | 78.1 (32) | | | | |
| Gram positive | *Streptococcus pneumoniae* | 33 | [d] | | [e] | | | | | | | | | | | | | | | [e] | | [e] | | [e] | | | | 100 (30) | | | | | | | | | | 48.4 (31) | | 45.2 (31) | | | 36.7 (30) | |
| Gram positive | *Streptococcus pyogenes* | - | | | | | | | | | | | | | | | | | | [e] | | | | [e] | | | | | | | | | | | | | | | | | | | |
| Gram positive | Viridans *Streptococcus* | 86 | [e] | [e] | | | | | | | 100 (31) | | | | 98.3 (60) | | | | | [e] | | | | [e] | | | | 92.9 (56) | | | | | | | | | 58 (81) | | 43.4 (83) | | | | |

[a] : No CLSI Interpretive Criteria. Interprete according to cefoperazone/sulbactam in *Enterobacteriacae*

[b] : Blood, Pleural Fluid

[c] : Sputum, Ear, Sinus

[d] : Interprete according to oxacillin susceptibility test

[e] : MIC Interpretive Criteria

[f] : Interprete according to cefoxitin susceptibility test

[h] : High-Level Aminoglycoside

[u] : Urine, Urine Catheter, Urine Clean- Voided

[WT] : Wild-type