

Table 4 Antimicrobial resistance profile in Gram-positive and Gram-negative bacterial isolates

Gram-positive bacteria	ERY	OXA	AMP	IPM	TET	GEN	DOX	CEF	CTX	FOX	CIP	CLI	SXT	MEM	VAN
Staphylococcus aureus															
Resistant, n (%)	126 (51.2)	16 (6.5)	17 (6.9)	18 (7.3)	11 (4.4)	19 (7.7)	15 (6.0)	11 (4.4)	17 (6.9)	102 (41.4)	109 (44.3)	130 (52.8)	35 (14.6)	13 (5.2)	6 (2.4)
Susceptible, n (%)	120 (48.2)	230 (93.5)	229 (93.1)	228 (92.7)	235 (95.6)	227 (92.3)	231 (94.0)	235 (95.6)	229 (93.1)	144 (58.6)	137 (55.7)	116 (47.2)	210 (85.4)	233 (94.8)	240 (97.6)
Staphylococcus epidermidis															
Resistant, n (%)	62 (62.0)	5 (5.0)	2 (2.0)	3 (3.0)	1 (1.0)	4 (4.0)	8 (8.0)	2 (2.0)	4 (4.0)	52 (52.0)	37 (37.0)	62 (62.0)	35 (35.0)	2 (2.0)	1 (1.0)
Susceptible, n (%)	38 (38.0)	95 (95.0)	98 (98.0)	97 (97.0)	99 (99.0)	96 (96.0)	92 (92.0)	98 (98.0)	96 (96.0)	48 (48.0)	63 (63.0)	38 (38.0)	65 (65.0)	98 (98.0)	99 (99.0)
Co-NS*															
Resistant, n (%)	121 (53.3)	18 (7.9)	22 (9.7)	26 (11.4)	18 (7.9)	30 (13.2)	17 (7.4)	15 (6.6)	23 (10.1)	96 (42.2)	114 (50.2)	129 (56.8)	64 (28.1)	21 (9.2)	4 (1.7)
Susceptible, n (%)	106 (46.7)	209 (92.1)	205 (90.3)	201 (88.6)	209 (92.1)	197 (86.8)	210 (92.6)	212 (93.4)	204 (89.9)	131 (57.8)	113 (49.8)	98 (43.2)	163 (71.9)	206 (90.8)	223 (98.3)
Streptococcus spp.															
Resistant, n (%)	24 (36.9)	2 (3.0)	4 (6.1)	1 (1.5)	13 (20.0)	13 (20.0)	2 (3.0)	3 (4.6)	3 (4.6)	6 (9.2)	10 (15.3)	20 (30.7)	10 (15.3)	3 (4.6)	5 (7.7)
Susceptible, n (%)	41 (43.1)	63 (97.0)	61 (93.9)	64 (98.5)	52 (80.0)	52 (80.0)	63 (97.0)	62 (95.4)	62 (95.4)	59 (90.8)	55 (84.7)	45 (69.3)	55 (84.7)	62 (95.4)	60 (92.3)
Enterococcus spp.															
Resistant, n (%)	24 (7.4)	1 (0.3)	152 (47.2)	2 (0.6)	90 (27.9)	48 (14.9)	7 (2.1)	4 (1.2)	9 (2.8)	5 (1.5)	203 (63.0)	24 (7.4)	13 (4.0)	3 (0.9)	203 (63.0)
Susceptible, n (%)	298 (92.6)	321 (99.7)	170 (52.8)	320 (99.4)	232 (72.1)	274 (85.1)	315 (97.9)	318 (98.8)	313 (97.2)	317 (98.5)	119 (37.0)	298 (92.6)	309 (96.0)	321 (99.1)	119 (37.0)
Overall resistance, %	37.1	4.3	20.5	7.2	13.8	11.8	5.1	4.1	5.8	27.1	49.2	38.0	16.4	4.3	22.8
Gram-negative bacteria	AMP	AMC	AMK	IPM	TZP	GEN	CAZ	CEF	CTX	CIP	SXT	LVX	MEM		
Acinetobacter spp.															
Resistant, n (%)	20 (1.9)	7 (0.6)	662 (64.9)	462 (45.2)	76 (7.4)	686 (67.2)	814 (79.8)	164 (18.0)	692 (67.8)	764 (74.9)	555 (54.4)	30 (2.9)	352 (34.5)		
Intermediate, n (%)	1 (0.1)	0 (0.0)	5 (0.5)	1 (0.1)	1 (0.1)	4 (0.4)	5 (0.5)	3 (0.3)	5 (0.5)	2 (0.2)	4 (0.3)	4 (0.3)	1 (0.1)		
Susceptible, n (%)	999 (98.0)	1013 (99.4)	353 (34.6)	557 (54.3)	943 (92.5)	330 (32.8)	201 (19.7)	853 (81.7)	323 (31.7)	254 (24.9)	461 (45.3)	986 (96.8)	667 (65.4)		
Klebsiella spp.															
Resistant, n (%)	22 (3.5)	4 (0.6)	240 (38.7)	219 (35.3)	24 (3.8)	312 (50.4)	434 (70.1)	113 (18.2)	348 (56.2)	384 (62.0)	305 (49.2)	11 (1.7)	131 (21.1)		
Intermediate, n (%)	1 (0.1)	0 (0.0)	7 (1.1)	6 (0.9)	1 (0.1)	2 (0.3)	4 (0.6)	1 (0.1)	1 (0.1)	7 (1.1)	0 (0.0)	0 (0.0)	5 (0.8)		
Susceptible, n (%)	596 (96.4)	615 (99.4)	372 (60.2)	394 (63.8)	594 (96.1)	305 (49.3)	181 (29.3)	505 (81.7)	270 (43.7)	228 (36.9)	314 (50.8)	608 (98.3)	483 (78.1)		
Escherichia coli															
Resistant, n (%)	32 (8.7)	13 (3.5)	19 (5.1)	18 (4.9)	7 (1.9)	95 (25.8)	184 (50.1)	72 (19.6)	161 (43.8)	176 (47.9)	135 (36.7)	18 (4.9)	19 (5.1)		
Intermediate, n (%)	1 (0.2)	2 (0.5)	17 (4.6)	4 (1.0)	7 (1.9)	6 (1.6)	4 (1.0)	4 (1.0)	3 (0.8)	3 (0.8)	0 (0.0)	0 (0.0)	1 (0.2)		
Susceptible, n (%)	334 (91.1)	352 (96.0)	331 (90.3)	345 (94.1)	353 (96.2)	266 (72.6)	179 (48.9)	291 (79.4)	203 (55.4)	188 (51.3)	232 (63.3)	349 (95.1)	347 (94.7)		
Pseudomonas spp.															
Resistant, n (%)	12 (2.9)	2 (0.4)	202 (50.2)	150 (37.3)	144 (35.8)	237 (58.9)	280 (69.6)	77 (19.1)	257 (63.9)	247 (61.4)	239 (59.4)	6 (1.4)	106 (26.3)		
Intermediate, n (%)	0 (0.0)	0 (0.0)	2 (0.4)	1 (0.2)	0 (0.0)	1 (0.2)	0 (0.0)	1 (0.2)	2 (0.4)	4 (0.9)	0 (0.0)	0 (0.0)	4 (0.9)		
Susceptible, n (%)	390 (97.1)	400 (99.6)	198 (49.4)	251 (62.5)	258 (64.2)	164 (40.9)	122 (30.4)	324 (80.7)	143 (35.7)	151 (37.7)	163 (40.6)	396 (98.6)	292 (72.8)		
Overall resistance, %	3.5	1.0	46.6	35.2	10.4	55.2	71.0	17.6	60.5	65.2	51.2	2.6	25.2		

*Includes *Staphylococcus saprophyticus*, *Staphylococcus haemolyticus*, *Staphylococcus lugdunensis*, and *Staphylococcus simulans*. AMC = amoxicillin/clavulanic acid; AMK = amikacin; AMP = ampicillin; CAZ = ceftazidime; CEF = cefepime; CIP = ciprofloxacin; CLI = clindamycin; Co-NS = coagulase-negative staphylococci; CTX = cefotaxime; DOX = doxycycline; ERY = erythromycin; FOX = ceftiofur; GEN = gentamicin; IPM, imipenem; LVX = levofloxacin; MEM = meropenem; OXA = oxacillin; SXT, trimethoprim-sulfamethoxazole; TET, tetracycline; TZP, piperacillin/tazobactam; VAN, vancomycin.