

Table 1 Antibiogram for isolates from a tertiary referral hospital in Al Ain by year

Antibiotic	Previous study [5]		Current study									
	1999–2002		2004		2005		2006		2007		2008	
	<i>n</i>	%	<i>n</i>	%	<i>n</i>	%	<i>n</i>	%	<i>n</i>	%	<i>n</i>	%
<i>Staphylococcus aureus</i>												
Oxacillin	100	96.0	607	94.0	679	94.0	620	92.7	642	91.1	787	84.4 ^a
<i>Pseudomonas aeruginosa</i>												
Amikacin	292	95.5	336	97.3	353	93.8	449	95.3	697	93.7	784	87.9 ^a
Aztreonam	–	–	308	94.8	373	93.3	449	77.7	700	65.7	793	61.1
Cefepime	55	96.4	172	96.1	266	95.1	341	92.4	663	77.9	783	79.6 ^a
Ceftazidime	270	90.0	430	94.8	422	95.2	480	91.0	710	79.6	–	–
Ciprofloxacin	397	88.9	399	92.9	424	92.2	478	90.2	710	81.9	788	81.6 ^a
Gentamicin	387	91.2	452	88.9	457	89.5	482	88.8	710	86.3	789	82.4 ^a
Imipenem	388	93.8	427	93.9	443	93.9	478	89.9	710	86.0	788	80.4 ^a
Piperacillin	170	82.9	198	93.9	343	94.4	416	84.6	710	73.5	788	80.1
Piperacillin/ tazobactam	385	95.3	430	95.5	364	95.9	470	87.2	710	76.2	790	86.3 ^a
<i>Acinetobacter spp.</i>												
Amikacin	–	–	80	85.0	78	70.5	64	90.6	120	84.2	126	61.2
Amoxicillin/ clavulanate	–	–	103	43.7	10 4	35.6	71	28.1	123	12.4	–	–
Cefotaxime	–	–	102	31.3	11 2	29.4	72	31.3	123	9.5	120	8.6
Ceftazidime	–	–	101	66.3	10 1	52.4	72	65.3	123	42.3	125	31.6 ^b
Ciprofloxacin	–	–	96	65.6	10 2	72.5	72	84.5	123	52.9	125	30.1 ^b
Gentamicin	–	–	110	77.2	10 5	69.5	72	88.9	123	67.5	129	42.4 ^b
Imipenem	–	–	101	99.0	10 6	94.3	72	91.7	123	61.5	127	32.5 ^b
Piperacillin	–	–	46	52.1	85	52.9	55	67.3	123	44.7	127	25.0
Piperacillin/ tazobactam	–	–	101	69.3	85	60.0	72	75.0	123	48.8	127	29.6 ^b
Trimethoprim/ sulfamethoxazole	–	–	57	59.6	93	53.7	72	73.6	123	70.3	127	28.9
<i>Escherichia coli</i>												
Amikacin	438	99.8	557	95.8	416	93.5	765	82.5	1333	65.9	1424	76.5 ^a
Amoxicillin/ clavulanate	–	–	934	70.3	921	73.2	100 2	76.3	1310	66.8	1420	58.3 ^b
Ampicillin	1041	31.3	770	36.6	706	35.8	100 4	35.9	1360	31.6	1435	27.8

Cefotaxime	–	–	948	90.9	858	89.3	926	86.5	1360	81.6	1425	76.3
Ceftazidime	1004	91.0	931	92.0	816	91.2	990	86.8	1360	82.7	1420	77.3 ^a
Cefuroxime	–	–	724	84.1	775	88.3	752	83.8	1088	75.4	1354	69.7 ^b
Cephalothin	–	–	731	53.7	788	56.5	828	51.8	1087	44.8	1354	38.3
Ciprofloxacin	1021	80.1	874	77.5	833	78.9	1004	78.1	1360	72.1	1431	65.2 ^a
Gentamicin	1023	88.9	973	86.2	924	90.0	1002	87.2	1360	81.8	1433	82.3 ^a
Imipenem	1012	100.0	928	99.9	892	99.6	994	100.0	1360	100.0	1434	99.9
Nitrofurantoin	–	–	735	93.6	786	93.0	803	93.0	1085	92.5	1347	92.6
Piperacillin	599	36.7	396	51.5	725	52.4	827	43.9	1360	33.5	1433	38.1
Piperacillin/ tazobactam	724	97.9	928	91.9	723	91.9	998	94.2	1360	95.6	1433	95.1
Trimethoprim/ sulfamethoxazole	1011	48.9	564	56.3	782	55.9	1001	60.0	1360	53.3	–	–
<i>Klebsiella spp.</i>												
Amikacin	–	–	213	93.4	190	94.2	282	95.4	371	94.1	397	93.9
Amoxicillin/clavulanate	–	–	323	82.3	330	85.7	335	89.2	378	89.1	393	81.3
Cefoxitin	–	–	324	89.1	313	89.4	328	91.8	378	89.7	395	83.9
Ceftazidime	–	–	324	90.4	294	90.1	331	91.8	378	90.9	394	84.3
Cefuroxime	–	–	166	82.7	177	89.6	147	93.2	172	90.1	324	80.0
Cephalothin	–	–	157	80.2	180	81.6	167	89.2	166	85.5	324	78.4
Ciprofloxacin	–	–	306	90.5	300	91.3	336	93.7	378	92.9	395	91.0
Gentamicin	–	–	336	92.5	330	91.8	336	93.1	378	90.5	398	88.7
Imipenem	–	–	321	100.0	321	99.3	335	100.0	378	100.0	385	99.7
Nitrofurantoin	–	–	159	40.8	179	40.7	165	30.9	167	21.6	323	19.7
Piperacillin	–	–	129	63.5	272	66.5	285	20.0	378	3.4	397	39.0
Piperacillin/tazobactam	–	–	323	86.6	253	88.5	335	92.8	378	95.8	397	90.2
Trimethoprim/sulfamethoxazole	–	–	184	80.4	272	82.3	335	88.6	378	86.4	397	83.9
<i>Stenotrophomonas maltophilia</i>												
Trimethoprim/sulfamethoxazole	–	–	26	100.0	42	95.2	38	97.4	63	95.2	63	88.7

^a $P < 0.05$ versus average data for years 1999–2002.

^b $P < 0.05$ versus year 2004.

n = number of isolates tested; – = not tested.