

**Antimicrobial Resistance Pattern (%) of organisms isolated
July 2006 to December 2006
Department of Microbiology, Dr. Ziauddin Hospital, Karachi**

GRAM NEGATIVES

Organisms	Isolates	AK	AMP	AMC	ATM	CAR	CPO	FEP	CRO/ CTX	CXM	CAZ	CFM	SXT	CN	IPM	MEM	NA	F	OFX	TZP	SCF	C	PIP	TET	E
E.coli	420	1	83	33	49	-	45	45	45	45	-	45	72	46	1	1	71*	1*	64	5	4	-	68*	-	-
Enterobacter spp.	331	18	12	56	59	-	64	54	64	64	-	64	59	52	1	1	45*	35*	37	13	12	-	53*	-	-
Pseudo.species	330	35	-	-	33	50	41	21	-	-	15	-	-	41	17	17	-	-	21	8	3	-	-	-	-
Acinetobacter spp.	105	73	87	81	84	-	76	78	78	79	-	87	70	78	65	65	-	-	70	60	20	-	-	-	-
Salmonella typhi	84	-	26	-	13	-	-	-	0	-	-	1	26	-	-	-	-	-	50	-	-	34	-	-	-
Proteus spp.	65	95	23	55	80	-	-	82	78	74	-	75	48	72	96	96	-	-	78	95	-	-	-	-	-
Vibrio cholerae	81	-	1	-	-	-	-	-	-	-	-	-	63	-	-	-	100	-	0	-	-	8	-	2	22
H. Influenzae	21	-	10	-	-	-	-	-	0	-	-	-	63	-	-	-	-	-	8	-	-	15	-	-	-

* only tested in urinary isolate

GRAM POSITIVES

Organisms	Isolates	AK	AMP	AMC	CL	CRO	DA	OX	SXT	E	FD	CN	OFX	P	TEC	VA
S. aureus	230	11	-	-	26	-	26	24	-	39	16	28	22	95	0	0
S. epidermidis	233	5	-	-	49	-	25	49	-	66	40	27	22	87	0	0
Strep. pneumoniae	15	-	-	-	-	0	-	-	77	13	-	-	10	27*	0	0
Strep.spp	42	-	9	8	-	7	-	-	-	47	-	52	17	-	5	5
Enterococcus spp.	65	-	35	33	-	56	100	-	-	-	-	69	53	-	0	0

* based on oxacillin screening method

AMP	: Ampicillin	MEM	: Meropenem	AMC	: amoxicillin clavulanic acid
CFM	: Cefixime	IPM	: Imipenem	FEP	: Cefipime
CAZ	: Ceftazidime	CPO	: Cefrom	C	: Chloramphenicol
ATM	: Azteronem	TET	: Tetracycline	AK	: Amikacin
CTX	: Cefotaxime	TZP	: Tazocin/Pipracillin	OFX	: Ofloxacin
P	: Penicillin	CN	: Gentamicin	DA	: Clindamycin
CRO	: ceftriaxone	OX	: Cloxacillin	E	: Erythromycin
VA	: Vancomycin	TEC	: Teicoplanin	-	: Not tested
FD	: Fusidic Acid	CL	: Cephalexin		
SXT	: Trimethoprim Sulphamethoxazole				