

**Liaquat National Hospital
Microbiology Department
Antibiogram January to December 2018
Antibiotic Susceptibility Report**

Gram Negative Organisms (% sensitive)

Acinetobacter species	n#	TZP	CRO	CAZ	IPM	TOB	AK	MH	CIP	SXT		
In-Patient	450	9	2	4	8	39	13	72	4	15		
Out-Patient	17	12	6	6	12	53	30	77	12	18		
E.coli	n#	AMP	AMC	TZP	SCF	CXM	CRO	IPM	GEN	AK	CIP	SXT
In-Patient	2264	7	39	69	69	14	19	94	66	98	28	32
Out-Patient	97	14	51	83	84	28	34	97	71	99	42	37
Klebsiella pneumoniae	n#	AMP	AMC	TZP	SCF	CXM	CRO	IPM	GEN	AK	CIP	SXT
In-Patient	950	0	30	53	51	19	26	63	52	63	45	38
Out-Patient	262	0	51	80	78	41	49	87	73	83	63	52
Pseudomonas aeruginosa	n#	TZP	CAZ	IPM	GEN	TOB	AK	CIP				
In-Patient	931	83	76	73	73	78	78	64				
Out-Patient	442	87	79	82	70	72	77	71				

Gram Positive Organisms (% sensitive)

Enterococcus species	n#	AMP	AMC	VA	OT						
In-Patient	955	40	40	74	36						
Out-Patient	176	79	79	94	21						
Staphylococcus aureus	n#	CX	VA	GEN	AK	OT	E	DA	FD	CIP	SXT
In-Patient	1017	31	100	67	95	64	43	77	82	34	88
Out-Patient	542	35	100	72	99	61	46	79	73	37	86
Coagulase negative Staph.	n#	CX	VA	GEN	AK	OT	E	DA	FD	CIP	SXT
In-Patient	99	21	100	58	20	77	26	53	45	39	60
Out-Patient	19	44	100	48	74	57	46	77	31	46	48

Other Organisms (% sensitive)

Burkholderia cepacia	n#	CAZ	MEM	MH	SXT					
In-Patient + Out-Patient	45	85	54	89	89					
Stenotrophomonas maltophilia	n#	MH	LFX	SXT						
In-Patient + Out-Patient	62	100	94	100						
Streptococcus pneumoniae	n#	P	VA	OT	E	DA	LFX	SXT		
In-Patient + Out-Patient	124	100	100	71	54	77	89	70		
Salmonella typhi, Para A, B & C	n#	AMP	CRO	CFM	NA	CIP	CL	SXT	IPM	AZM
In-Patient + Out-Patient	254	21	38	38	2	3	19	19	100	100

n# = Total number of Isolates

Antibiotic values = percent% sensitive

ABBREVIATIONS

AK - Amikacin
AMC - Amoxicillin-clavulanic acid
AMP - Ampicillin
AZM - Azithromycin
CAZ - Ceftazidime
CRO - Ceftriaxone
CFM - Cefixime
CXM - Cefuroxime
CIP - Ciprofloxacin
CX - Cloxacillin
CL - Chloramphenicol
DA - Clindamycin
E - Erythromycin
FD - Fusidic Acid
GEN - Gentamicin
IPM - Imipenem
LFX - Levofloxacin
MEM - Meropenem
MH - Minocycline
NA - Nalidixic Acid
OT - Oxytetracycline
P - Penicillin
SCF - Cefoperazone sulbactam
SXT - Trimethoprim-sulfamethoxazole
TOB - Tobramycin
TZP - Piperacillin-tazobactam
VA - Vancomycin