

**Liaquat National Hospital
Microbiology Department
Antibiogram January to December 2020
Antibiotic Susceptibility Report**

Gram Negative Organisms (% Sensitive)

Acinetobacter species	n#	TZP	CRO	CAZ	IPM	TOB	AK	MH	CIP	SXT	
In-Patient	566	2	1	2	3	41	7	84	2	14	
Out-Patient	31	29	19	26	34	79	39	100	24	30	
E.coli	n#	AMP	AMC	TZP	CXM	CRO	IPM	GEN	AK	CIP	SXT
In-Patient	1489	6	12	67	12	17	90	71	97	20	32
Out-Patient	904	13	22	83	23	31	96	75	98	27	40
Klebsiella pneumoniae	n#	AMP	AMC	TZP	CXM	CRO	IPM	GEN	AK	CIP	SXT
In-Patient	595	0	17	47	17	23	55	48	59	27	31
Out-Patient	258	0	37	76	40	50	86	71	82	49	55
Enterobacter species	n#	AMP	AMC	TZP	CXM	CRO	IPM	GEN	AK	CIP	SXT
In-Patient	76	1	3	71	10	31	80	63	82	41	61
Out-Patient	34	3	6	68	28	56	81	68	79	53	74
Proteus species	n#	AMP	AMC	TZP	CXM	CRO	MEM	GEN	AK	CIP	SXT
In-Patient	120	8	43	100	40	60	100	77	92	48	26
Out-Patient	74	16	30	100	33	66	100	82	97	40	22
Pseudomonas aeruginosa	n#	TZP	CAZ	IPM	GEN	TOB	AK	CIP	LFX		
In-Patient	696	82	78	73	77	79	82	72	72		
Out-Patient	405	89	85	85	80	81	88	74	74		

Gram Positive Organisms (% Sensitive)

Enterococcus species	n#	AMP	AMC	VA	TE					
In-Patient	741	39	39	71	32					
Out-Patient	176	82	82	95	13					
Staphylococcus aureus	n#	CX	VA	GEN	TE	E	DA	FD	CIP	SXT
In-Patient	730	31	100	77	63	49	80	76	33	87
Out-Patient	455	37	100	79	62	39	79	77	27	88
Coagulase negative Staphylococcus	n#	CX	VA	GEN	TE	E	DA	FD	CIP	SXT
In-Patient	75	16	100	52	72	14	52	23	28	60
Out-Patient	8	67	100	88	67	50	50	67	33	100
Beta-hemolytic Streptococcus grp A & B	n#	P	CRO	VA	E	DA	LFX			
In-Patient	120	100	100	100	50	57	83			
Out-Patient	187	100	100	100	57	57	82			

Other Organisms (% Sensitive)

Burkholderia cepacia	n#	CAZ	MEM	MH	SXT			
In-Patient + Out-Patient	92	72	74	82	96			
Stenotrophomonas maltophilia	n#	MH	LFX	SXT				
In-Patient + Out-Patient	66	95	92	95				
Streptococcus pneumoniae	n#	P	VA	TE	E	DA	LFX	SXT
In-Patient + Out-Patient	75	100	100	54	52	82	94	70
Salmonella typhi, Para A, B & C	n#	AMP	CRO	CFM	NA	CIP	CL	SXT
In-Patient + Out-Patient	221	29	37	37	0	5	25	37
Haemophilus influenzae/para influenzae	n#	AMP	AMC	CRO	CLR	LFX	SXT	
In-Patient	70	93	93	99	84	71	34	
Out-Patient	122	96	96	100	84	84	39	

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
TE - Tetracycline
P - Penicillin
SCF - Cefoperazone sulbactam
SXT - Trimethoprim-sulfamethoxazole
TOB - Tobramycin
TZP - Piperacillin-tazobactam
VA - Vancomycin