

**Liaquat National Hospital
Microbiology Department
Antibiogram January to December 2021
Antibiotic Susceptibility Report**

Gram Negative Organisms (% Sensitive)

Acinetobacter species	n#	TZP	CRO	CAZ	IPM	TOB	AK	MH	CIP	SXT	LEV	GEN
In-Patient	602	5	2	5	5	35	10	93	4	16	5	13
Out-Patient	34	29	20	29	29	52	32	86	29	32	35	41
E.coli	n#	AMP	AMC	TZP	CXM	CRO	IPM	GEN	AK	CIP	SXT	
In-Patient	1325	6	12	70	13	19	88	72	96	21	31	
Out-Patient	833	13	20	84	22	29	96	76	98	31	37	
Klebsiella pneumoniae	n#	AMP	AMC	TZP	CXM	CRO	IPM	GEN	AK	CIP	SXT	
In-Patient	632	0	17	45	17	25	52	45	53	27	34	
Out-Patient	181	0	40	77	41	100	84	73	79	45	57	
Enterobacter species	n#	AMP	AMC	TZP	CXM	CRO	IPM	GEN	AK	CIP	SXT	
In-Patient	96	0	3	76	18	46	88	64	88	48	63	
Out-Patient	43	0	2	79	33	56	86	70	93	63	79	
Proteus species	n#	AMP	AMC	TZP	CXM	CRO	MEM	GEN	AK	CIP	SXT	
In-Patient	123	0	34	100	38	50	99	72	87	41	24	
Out-Patient	78	18	58	99	56	68	100	82	92	58	33	
Pseudomonas aeruginosa	n#	TZP	CAZ	IPM	GEN	TOB	AK	CIP	LFX			
In-Patient	723	73	76	66	71	72	75	65	63			
Out-Patient	395	86	82	84	75	74	82	72	70			

Gram Positive Organisms (% Sensitive)

Enterococcus species	n#	AMP	AMC	VA	TE					
In-Patient	660	35	35	61	31					
Out-Patient	136	71	71	80	14					
Staphylococcus aureus	n#	CX	VA	GEN	TE	E	DA	FD	CIP	SXT
In-Patient	696	28	100	73	62	43	74	77	25	69
Out-Patient	486	32	100	76	66	39	72	73	24	74
Coagulase negative Staphylococcus	n#	CX	VA	GEN	TE	E	DA	FD	CIP	SXT
In-Patient	81	11	100	51	65	13	39	27	20	36
Out-Patient	20	21	100	63	68	16	63	32	21	95
Beta-hemolytic Streptococcus grp A & B	n#	P	CRO	VA	E	DA	LFX			
In-Patient	70	100	100	100	52	58	77			
Out-Patient	171	100	100	100	44	54	81			

Other Organisms (% Sensitive)

Burkholderia cepacia	n#	CAZ	MEM	MH	SXT				
In-Patient + Out-Patient	61	88	87	82	87				
Stenotrophomonas maltophilia	n#	MH	LFX	SXT					
In-Patient + Out-Patient	69	98	97	100					
Streptococcus pneumoniae	n#	P	VA	TE	E	DA	LFX	SXT	
In-Patient + Out-Patient	66	100	100	42	39	76	92	65	
Salmonella typhi, Para A, B & C	n#	AMP	CRO	CFM	CIP	SXT			
In-Patient + Out-Patient	178	21	27	27	3	31			
Haemophilus influenzae/para influenzae	n#	AMP	AMC	CRO	CAZ	CLR	CIP	LFX	SXT
In-Patient	54	87	87	100	100	91	74	83	28
Out-Patient	82	95	95	99	100	95	63	71	40

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