

**Liaquat National Hospital
Microbiology Department
Antibiogram January to December 2022
Antibiotic Susceptibility Report**

Gram Negative Organisms (% Sensitive)

Acinetobacter species	n#	TZP	CRO	CAZ	IPM	TOB	AK	MH	CIP	SXT	LEV	GEN
In-Patient	655	5	4	5	5	32	9	92	5	18	6	15
Out-Patient	41	17	10	17	15	41	20	91	15	15	29	24
E.coli	n#	AMP	AMC	TZP	CXM	CRO	IPM	GEN	AK	CIP	SXT	
In-Patient	1826	6	10	59	10	17	85	72	96	20	33	
Out-Patient	1039	12	20	78	21	29	96	75	99	31	39	
Klebsiella pneumoniae	n#	AMP	AMC	TZP	CXM	CRO	IPM	GEN	AK	CIP	SXT	
In-Patient	777	NT	21	47	21	27	59	54	60	30	40	
Out-Patient	260	NT	38	75	41	58	85	77	82	53	62	
Enterobacter species	n#	AMP	AMC	TZP	CXM	CRO	IPM	GEN	AK	CIP	SXT	
In-Patient	132	NT	6	66	14	45	74	64	78	46	56	
Out-Patient	51	NT	6	73	22	55	80	69	84	51	63	
Proteus species	n#	AMP	AMC	TZP	CXM	CRO	MEM	GEN	AK	CIP	SXT	
In-Patient	197	6	41	99	43	65	100	80	93	51	24	
Out-Patient	138	14	52	100	48	78	100	82	97	59	34	
Pseudomonas aeruginosa	n#	TZP	CAZ	IPM	GEN	TOB	AK	CIP	LFX			
In-Patient	797	79	77	74	75	77	78	70	68			
Out-Patient	525	87	82	84	78	81	81	71	70			

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
sulfamethoxazole
TOB - Tobramycin
TZP - Piperacillin-tazobactam
VA - Vancomycin

Gram Positive Organisms (% Sensitive)

Enterococcus species	n#	AMP	AMC	VA	TE					
In-Patient	761	40	40	71	26					
Out-Patient	167	76	76	92	12					
Staphylococcus aureus	n#	CX	VA	GEN	TE	E	DA	FD	CIP	SXT
In-Patient	801	27	100	74	64	39	74	76	26	77
Out-Patient	571	30	100	80	61	34	70	74	26	82
Coagulase negative Staphylococcus	n#	CX	VA	GEN	TE	E	DA	FD	CIP	SXT
In-Patient	85	21	100	53	72	15	53	21	30	48
Out-Patient	17	13	100	59	80	13	60	27	40	47
Beta-hemolytic Streptococcus grp A & B	n#	P	CRO	VA	E	DA	LFX			
In-Patient	125	100	100	100	42	54	89			
Out-Patient	169	100	100	100	39	53	80			

Other Organisms (% Sensitive)

Burkholderia cepacia	n#	CAZ	MEM	MH	SXT			
In-Patient + Out-Patient	52	92	81	90	96			
Stenotrophomonas maltophilia	n#	MH	LFX	SXT				
In-Patient + Out-Patient	94	100	97	99				
Streptococcus pneumoniae	n#	P	VA	TE	E	DA	LFX	SXT
In-Patient + Out-Patient	83	100	100	56	54	80	90	67
Haemophilus influenzae/para influenzae	n#	AMP	CRO	CAZ	CLR	CIP	LFX	SXT
In-Patient	74	96	100	100	91	70	76	38
Out-Patient	106	93	100	100	86	60	70	39
Salmonella typhi, Para A, B & C	n#	AMP	CRO	CFM	CIP	SXT		
In-Patient + Out-Patient	363	26	40	40	4	35		

n# = Total number of Isolates
NT = Not tested
Antibiotic values in percentage%