

**Liaquat National Hospital
Microbiology Department
Antibiogram January to December 2019
Antibiotic Susceptibility Report**

Gram Negative Organisms (% sensitive)

Acinetobacter species	n#	TZP	CRO	CAZ	IPM	TOB	AK	MH	CIP	SXT		
In-Patient	540	3	2	2	3	40	8	86	3	11		
Out-Patient	30	17	7	10	17	48	20	88	14	16		
E.coli	n#	AMP	AMC	TZP	SCF	CXM	CRO	IPM	GEN	AK	CIP	SXT
In-Patient	2128	6	32	68	69	13	17	91	69	97	21	31
Out-Patient	1015	14	43	85	85	25	32	97	75	99	34	39
Klebsiella pneumoniae	n#	AMP	AMC	TZP	SCF	CXM	CRO	IPM	GEN	AK	CIP	SXT
In-Patient	889	0	25	48	47	19	26	54	49	60	32	34
Out-Patient	285	0	48	75	75	41	50	84	74	83	53	54
Pseudomonas aeruginosa	n#	TZP	CAZ	IPM	GEN	TOB	AK	CIP				
In-Patient	924	84	77	75	76	78	80	72				
Out-Patient	476	88	85	85	82	82	84	78				

Gram Positive Organisms (% sensitive)

Enterococcus species	n#	AMP	AMC	VA	TE					
In-Patient	913	45	45	74	34					
Out-Patient	179	78	78	92	22					
Staphylococcus aureus	n#	CX	VA	GEN	TE	E	DA	FD	CIP	SXT
In-Patient	943	29	100	70	64	43	81	80	35	91
Out-Patient	511	40	100	75	61	43	80	82	33	92
Coagulase negative Staphylococcus	n#	CX	VA	GEN	TE	E	DA	FD	CIP	SXT
In-Patient	73	22	100	63	66	19	48	35	29	50
Out-Patient	12	36	100	83	64	18	91	20	45	73
Beta-hemolytic Streptococcus grp A & B	n#	P	CRO	VA	E	DA	LFX			
In-Patient	136	100	100	100	53	66	89			
Out-Patient	223	100	100	100	64	67	79			

Other Organisms (%Sensitive)

Burkholderia cepacia	n#	CAZ	MEM	MH	SXT					
In-Patient + Out-Patient	89	86	75	79	97					
Stenotrophomonas maltophilia	n#	MH	LFX	SXT						
In-Patient + Out-Patient	59	100	95	91						
Streptococcus pneumoniae	n#	P	VA	TE	E	DA	LFX	SXT		
In-Patient + Out-Patient	96	100	100	60	65	87	98	79		
Salmonella typhi, Para A, B & C	n#	AMP	CRO	CFM	NA	CIP	CL	SXT	IPM	AZM
In-Patient + Out-Patient	435	18	27	27	1	0.6	17	17	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
 TE - Tetracycline
 P - Penicillin
 SCF - Cefoperazone sulbactam
 SXT - Trimethoprim-sulfamethoxazole
 TOB - Tobramycin
 TZP - Piperacillin-tazobactam
 VA - Vancomycin

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