ALBERTA PRECISION LABORATORIES

Leaders in Laboratory Medicine

Antibiotic % Susceptibility Patterns
Rockyview General Hospital
January - December 2022

Data derived from routine susceptibility tests performed by Alberta Precision Laboratories

		N	Penicillin (IV)	Ampicillin / Amoxicillin	Cloxacillin	Amoxicillin-Clavulanate	Piperacillin-Tazobactam	Cephalexin	Cefazolin	Cefixime	Ceftriaxone	Ceftazidime	Clindamycin	Trimethoprim-sulfamethoxazole	Vancomycin	Tetracycline[c]	Doxycycline[b]	Nitrofurantoin[b]	Fosfomycin (PO)[b]	Ciprofloxacin	Gentamicin	Tobramycin	Ertapenem	Meropenem
Gram-positive																								
Enterococcus faecalis		191		100				R	R	R	R	R	R	R	99	29		99		84[b]				
Enterococcus faecium		57		12				R	R	R	R	R	R	R	72	21		14		9[b]				
Staphylococcus aureus	All	175			82			82	82				83	96	100	97								
	MSSA	145			100			100	100				84	97	100	97								
	MRSA	35			R			R	R				77	94	100	97								
Staphylococcus, coagulase-negative[d]		55			40			40	40				57	71	100	87								
Streptococcus anginosus group[d]		54	100								100		91		100									
Gram-negative																								
Citrobacter freundii complex[a,d]		51		R		R		R	R					73				100		61	80	84	92	94
Enterobacter cloacae complex[a]		41		R		R		R	R					93						85	98	95	85	98
Escherichia coli	All	304		57		85	85	85[b]	77	83	85			83				98		67	92	93		
	ESBL[d]	76		R				R	R	R	R	R		45			53	94	98	9	66	67	100	100
Klebsiella oxytoca[d]		58		R		88	88	91[b]	40	98	93			95				100		93	100	100		
Klebsiella pneumoniae complex		90		R		96	96	93[b]	91	93	96			92				45		90	99	98		
Proteus mirabilis		44		82		90	98	97[b]	59	98	98			80		R	R	R		84	91	93		
Pseudomonas aeruginosa		97		R		R	95			R	R	95		R		R	R			89		100	R	94

[a] These organisms usually produce β-lactamase which can cause failure of 3rd generation cephalosporin therapy, despite in vitro susceptibility
[b] Urine isolates only
[c] Susceptibility to doxycycline can be inferred from susceptibility to tetracycline
[d] Combined data (January - December 2021 and January - December 2022) due to the small number of isolates in 2022

Note: Percent susceptible for each organism/antimicrobial combination was generated by including the first isolate of that organism recovered from a given patient during the time period analyzed.

Abbreviations: MSSA - methicillin-susceptible Staphylococcus aureus; MRSA - methicillin-resistant Staphylococcus aureus; ESBL - extended spectrum beta-lactamase; R - intrinsic resistance