



ALBERTA PRECISION LABORATORIES

Leaders in Laboratory Medicine

Antibiotic % Susceptibility Patterns South Sector (West) January - December 2022

Data derived from routine susceptibility tests performed by Chinook Regional Hospital

N	Penicillin (IV)	Ampicillin / Amoxicillin	Cloxacillin	Amoxicillin-Clavulanate	Piperacillin-Tazobactam	Cephalexin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Trimethoprim-Sulfamethoxazole	Vancomycin	Tetracycline ^c	Nitrofurantoin ^b	Ciprofloxacin	Levofloxacin	Gentamicin	Tobramycin	Ertapenem	Meropenem
Gram-positive																				
Enterococcus faecalis	874	100				R	R	R	R	R	R	100	24 ^b	99	81 ^b					
Enterococcus faecium	168	18				R	R	R	R	R	R	51	27 ^b	15	11 ^b					
Staphylococcus aureus	All	1632	78			78	78			81	96	100	98							
	MSSA	1276	100			100	100			84	96	100	98							
	MRSA	356	R			R	R			69	97	100	97							
Staphylococcus, coagulase-negative	33		42			42	42			78	69	100	97							
Staphylococcus lugdunensis	108		99			99	99			81	99	100	96							
Streptococcus, group A	68	100					100	100		97		100								
Streptococcus, group B	47	100					100	100		56		100								
Streptococcus pneumoniae	meningitis	60	92					100				100								
	non-meningitis		99					100					85			100				
Gram-negative																				
Citrobacter freundii complex ^a	101	R		R		R					86			94	85		94	95	98	99
Klebsiella (Enterobacter) aerogenes ^a	86	R		R		R					100			16	95		100	100	95	100
Enterobacter cloacae complex ^a	170	R		R		R					90			36	92		99	99	90	99
Escherichia coli	4221	66		89	94	94 ^b		94			84			98	77		95	95		
Klebsiella oxytoca	159	R		92	94	86 ^b		92			92			87	92		96	96		
Klebsiella pneumoniae complex	600	R		96	97	97 ^b		97			95			39	92		99	98		
Morganella morganii ^a	42	R		R		R					81		R	R	81		90	98	100	100
Proteus mirabilis	304	78		93	100	95 ^b		95			78		R	R	77		90	91		
Pseudomonas aeruginosa	253			R	90			R	95		R		R		86			99	R	89

^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

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; R - intrinsic resistance