



**ALBERTA PRECISION
LABORATORIES**

Leaders in Laboratory Medicine

Antibiotic % Susceptibility Patterns: South Sector (West) - 2019

Data derived from routine susceptibility tests performed by Chinook Regional Hospital

	n	Penicillin	Ampicillin/ Amoxicillin	Cloxacillin	Amoxicillin- Clavulanate	Piperacillin- Tazobactam	Cephalexin (Urine) ^u	Cefazolin	Ceftioxone	Ceftazidime	Clindamycin	Trimethoprim- sulfamethoxazole	Vancomycin	Tetracycline	Nitrofurantoin (Urine) ^u	Ciprofloxacin	Levofloxacin	Gentamicin	Tobramycin	Ertapenem	Meropenem		
<i>Enterococcus faecalis</i>	1002		100				R	R	R	R	R	R	100	19 ^u	99	76 ^u							
<i>Enterococcus faecium</i>	129		16				R	R	R	R	R	R	83	37 ^u	23	9 ^u							
<i>Staphylococcus aureus</i>	All	1568		81				81			78	98	100	97									
	MSSA	1280		100				100			83	99	100	98									
	MRSA	288		R				R			56	97	100	95									
GP <i>Staphylococcus coag neg</i>	43			51				51			79	71	100	95									
<i>Staphylococcus lugdunensis</i>	152			99				99			84	100	100	97									
Group A <i>Streptococcus</i> ♦	65	100						100	100		78		100										
Group B <i>Streptococcus</i>	45	100						100	100		57		100										
<i>Streptococcus pneumoniae</i>	non-meningitis	47	100						100				100	92			100						
	meningitis		92						95				100										
GN	<i>Citrobacter freundii</i> complex*	116		R		R		R	R			84			96	82		97	100	100	100		
	<i>Citrobacter koseri</i>	52		R		100	100	96	96	98		96			83	96		98	100				
	<i>Klebsiella (Enterobacter) aerogenes</i> *	80		R		R		R	R			98			10	99		100	100	100	100		
	<i>Enterobacter cloacae</i> complex*	176		R		R		R	R			93			35	98		99	98	97	100		
	<i>Escherichia coli</i>	4960		62		86	97	94	90	95		81			97	78		94	94				
	<i>Klebsiella oxytoca</i>	181		R		93	95	86	56	96		94			89	97		98	98				
	<i>Klebsiella pneumoniae</i>	652		R		97	98	98	95	98		94			33	92		98	98				
	<i>Morganella morganii</i> *	30		R		R		R	R			77		R	R	67		83	100	100	100		
	<i>Proteus mirabilis</i>	297		83		95	100	94	83	96		80		R	R	79		91	92				
	<i>Pseudomonas aeruginosa</i>	256				R	90			R	94		R		R		85			99	R	94	
	<i>Serratia marcescens</i> *	36		R		R		R	R			100			R	97		100	94	100	100		
	<i>Haemophilus influenzae</i>	33		73						100		76											

*These organisms can develop resistance to third-generation cephalosporins and piperacillin-tazobactam. Use of these agents is not recommended.

♦ Susceptibility testing not routinely performed. Results based on all GAS isolated where susceptibility testing was indicated for treatment purposes.

^u Data for this antimicrobial is only applicable to uncomplicated lower urinary tract infections.

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

Only those species with at least 30 isolates are included in the antibiograms.

ABBREVIATIONS: GP - Gram-positive; GN - Gram-negative; MSSA - methicillin-susceptible *Staphylococcus aureus*; MRSA - methicillin-resistant *Staphylococcus aureus*; R - intrinsic resistance