



**ALBERTA PRECISION
LABORATORIES**

Leaders in Laboratory Medicine

Antibiotic % Susceptibility Patterns: South Sector (West) - 2020

Data derived from routine susceptibility tests performed by Chinook Regional Hospital

	n	Penicillin	Ampicillin/ Amoxicillin	Cloxacillin	Amoxicillin- Clavulanate	Piperacillin- Tazobactam	Cephalexin (Urine) ^u	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Trimethoprim- sulfamethoxazole	Vancomycin	Tetracycline	Nitrofurantoin (Urine) ^u	Ciprofloxacin	Levofloxacin	Gentamicin	Tobramycin	Ertapenem	Meropenem	
GP	<i>Enterococcus faecalis</i>	928	100				R	R	R	R	R	R	100	21 ^u	99	79 ^u						
	<i>Enterococcus faecium</i>	140	25				R	R	R	R	R	R	72	45 ^u	17	17 ^u						
	<i>Staphylococcus aureus</i>	All	1462	80				80			78	98	100	97								
		MSSA	1167	100				100			85	98	100	98								
		MRSA	295	R				R			54	96	100	96								
	<i>Staphylococcus coag neg</i>	66		67				67			73	76	100	80								
	<i>Staphylococcus lugdunensis</i>	106		99				99			87	100	100	98								
	Group A <i>Streptococcus</i> ♦	46	100					100	100		83		100									
	Group B <i>Streptococcus</i>	51	100					100	100		51		100									
	<i>Streptococcus pneumoniae</i>	non-meningitis	42	93					100				100	82			100					
		meningitis	90						100													
GN	<i>Citrobacter freundii</i> complex*	114	R		R		R	R				89			96	81		96	95	98	100	
	<i>Citrobacter koseri</i>	39	R		97	97	97	97	97			97			82	92		97	100			
	<i>Klebsiella (Enterobacter) aerogenes</i> *	54	R		R		R	R				98			19	94		98	98	96	100	
	<i>Enterobacter cloacae</i> complex*	152	R		R		R	R				92			35	92		99	98	95	99	
	<i>Escherichia coli</i>	4276	63		87	98	94	92	95			83			98	76		94	96			
	<i>Klebsiella oxytoca</i>	160	R		91	94	79	74	92			94			86	93		96	96			
	<i>Klebsiella pneumoniae</i>	579	R		97	97	97	95	97			95			33	91		98	99			
	<i>Morganella morganii</i> *	37	R		R		R	R				84	R	R	81		84	97	100	100		
	<i>Proteus mirabilis</i>	288	80		93	100	93	90	94			78	R	R	80		89	90				
	<i>Pseudomonas aeruginosa</i>	215			R	91			R	94		R	R		87				100	R	96	
	<i>Serratia marcescens</i> *	34	R		R		R	R				100			R	97		100	97	100	100	

R denotes that this species is inherently resistant to the antibiotic.

*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