

Antimicrobial Susceptibility Test Results for Gram-positive isolates recovered from all sites: 2023

Organism Name	Antibiotics in common use (1st line reporting)										Reserved (2nd line reporting)				Topical	
	Number tested	Ampicillin/ amoxicillin	Penicillin	Meth/Fludoxacillin	Erythromycin	Clindamycin #	Gentamicin	Nitrofurantoin <sup>d</sup>	Trimethoprim <sup>d</sup>	Trimethoprim+sulfamethoxazole	Fusidic Acid #	Tetra/Doxycycline	Ciprofloxacin #	Vancomycin #	Chloramphenicol	Mupirocin (High-Level)
<i>S. aureus</i> (not MRSA)	3786		22	100	90	91	98		98	100	95	98	96	100	98	99
MRSA	292		0	0	76	83	82			94	82	95	76	100	98	100
<i>S. epidermidis</i>	339		0	44	46	67			56	61	57	91	67	100		
<i>S. saprophyticus</i>	143	99		99				100	96	99				100		
<i>Enterococcus faecalis</i>	537	100						99					99	100		
<i>Enterococcus faecium</i>	75	21												99		
<i>Streptococcus pneumoniae</i>	261	97	98		89	94				76		89		100		
Streptococcus Grp A	110	100	100		93	93				100		80		100		

Antimicrobial Susceptibility Test Results for Gram-negative isolates recovered from all sites: 2023

Organism Name	Antibiotics in common use (1st line reporting)										Reserved (2nd line reporting)						
	Number tested	Ampicillin/ amoxicillin	Amoxicillin-Clavulanate	Cefuroxime IV	Cefalexin	Gentamicin	Nitrofurantoin <sup>d</sup>	Trimethoprim <sup>d</sup>	Trimethoprim+sulfamethoxazole	Tobramycin	Tetracycline	Ceftriaxone	Piperacillin-Tazobactam <sup>\$</sup>	Cefepime #	Meropenem #	Fosfomycin #	Ciprofloxacin #
<i>Citrobacter freundii</i> complex	75	0	0	0	0	96		96	97			74	84	96	100		99
<i>Citrobacter koseri</i>	106	0	97	99	99	100		99	99			100	96	100	100		100
<i>Enterobacter cloacae</i> complex	215	0	0	0	0	99		83	89			73	76	96	100		97
<i>Escherichia coli</i>	4796	54	70	89	93	94	99	78	80			91	97	94	100	98	87
<i>Klebsiella aerogenes</i>	56	0	0	0	0	100		97	98			80	76	91	100		96

Canterbury Health Laboratories

<i>Klebsiella oxytoca</i>	241	0	88	92	91	99		95	95		93	92	97	100	98
<i>Klebsiella pneumoniae</i>	517	0	85	84	79	96		81	84		87	94	89	100	86
<i>Morganella morganii</i>	81	0	0	0	0	96	0	84	90		94	96	100	100	95
<i>Proteus mirabilis</i>	227	89	98	99	99	96	0	87	91		99	100	99	100	98
<i>Serratia marcescens</i>	169	0	0	0	0	99	0	92	99		96	96	98	100	96
<i>Pseudomonas aeruginosa</i>	653	0	0	0	0		0	0	0	98		96	91	98	92
<i>Acinetobacter baumannii complex</i>	43	0	0	0	0	93	0	0	98					98	98
<i>Haemophilus influenzae</i>	587	53	82	63					69		100				94

Antimicrobial Susceptibility Test Results for Gram-negative isolates recovered from Urinary Tract Infections: 2023

Organism Name	Antibiotics in common use (1st line reporting)								Reserved (2nd line reporting)					
	Number tested	Ampicillin/Amoxicillin	Amoxicillin-Clavulanate	Cefalexin	Gentamicin	Nitrofurantoin <sup>d</sup>	Trimethoprim <sup>d</sup>	Trimethoprim-Sulfamethoxazole <sup>e</sup>	Ceftriaxone	Piperacillin-Tazobactam <sup>§</sup>	Cefepime <sup>#</sup>	Meropenem <sup>#</sup>	Fosfomycin <sup>#</sup>	Ciprofloxacin <sup>#</sup>
<i>Citrobacter freundii complex</i>	59	0	0	0	97		97	98	80	85	100	100		100
<i>Citrobacter koseri</i>	90	0	97	99	100		99	99	100	97	100	100		100
<i>Enterobacter cloacae complex</i>	113	0	0	0	100		84	86	72	71	99	100		99
<i>Escherichia coli</i>	4127	58	71	92	95	99	78	81	95	97	97	100	99	91
<i>Klebsiella aerogenes</i>	37	0	0	0	100		97	100	83	81	100	100		97
<i>Klebsiella oxytoca</i>	172	0	91	92	99		96	98	94	92	100	100		99
<i>Klebsiella pneumoniae</i>	385	0	90	90	97		82	87	93	95	95	100		91
<i>Morganella morganii</i>	51	0	0	0	92	0	84	90	96	98	100	100		92
<i>Proteus mirabilis</i>	184	92	98	98	97	0	88	91	99	100	99	100		99
<i>Serratia marcescens</i>	54	0	0	0	96	0	93	96	96	94	96	100		94

\* Tested on 10- 30 isolates

<sup>a</sup> *S. aureus* susceptible to methicillin/flucloxacillin denotes susceptibility to cefazolin and amoxicillin-clavulanate

<sup>b</sup> Enterococcus species are intrinsically resistant to cephalosporins

<sup>c</sup> Includes Intermediate (Susceptible, Increased Exposure) results

<sup>d</sup> Treatment of uncomplicated urinary tract infections only

# Use requires patient-specific Infectious Diseases/Clinical Microbiology approval (document this in the clinical notes) unless following a CDHB antimicrobial guideline e.g. 'The Pink Book'.

\$ Use requires patient-specific Infectious Diseases/Clinical Microbiology/Respiratory Specialist approval (document this in the clinical notes) unless following a CDHB antimicrobial guideline e.g. 'The Pink Book'.

**Colour Interpretation**

≥ 90% Susceptible

70 - 89% Susceptible

< 70% Susceptible

R= Intrinsically Resistant

No data or not tested