

Antimicrobial Susceptibility Test Results for Gram-negative isolates recovered from adult and paediatric clinical specimens: 2025

Department of Clinical Microbiology, Auckland City Hospital. Clinical Microbiologists can be contacted through Lablink on 09 307 8995 or 0800 522 7587



≥ 90% susceptible;
 70-89% susceptible;
 < 70% susceptible;
 Number = proportion susceptible (S/I); R = Resistant

Classification Number: LPMICCOMIN008 Date of issue: Feb 2026	Number tested	Amoxicillin	Amoxicillin-clavulanate	Cephalexin ^c	Cefuroxime	Ceftriaxone	Ceftazidime	Cefepime	Piperacillin-tazobactam	Meropenem	Gentamicin	Amikacin	Trimethoprim ^c	Cotrimoxazole	Ciprofloxacin	Nitrofurantoin ^c
Organism																
<i>Escherichia coli</i> – all	3348	38	75	73	81	87	85	88	91	100	87	99	65	66	77	99
ESBL <i>Escherichia coli</i> ^a	370	R	-	R	R	R	R	R	-	100	59	96	32	34	21	99
<i>Klebsiella pneumoniae</i> – all	593	R	82	82	82	87	85	88	86	99	93	98	78	80	85	74
ESBL <i>Klebsiella pneumoniae</i>	59	R	-	R	R	R	R	R	-	100	59	95	24	26	39	73
<i>Klebsiella (Enterobacter) aerogenes</i> ^b	117	R	R	R	R	74 ^b	74 ^b	98	73 ^b	100	100	100	98	98	98	85
<i>Klebsiella oxytoca</i> ^b	125	R	82	82	82	90 ^b	94 ^b	94 ^b	83 ^b	100	95	100	90	90	98	96
<i>Proteus mirabilis</i>	102	72	90	93	96	96	95	96	100	100	87	98	75	76	92	R
<i>Enterobacter cloacae</i> complex ^b	212	R	R	R	R	68 ^b	68 ^b	92	73 ^b	100	95	100	85	86	97	94
<i>Serratia marcescens</i> ^b	207	R	R	R	R	97 ^b	99 ^b	100	99 ^b	100	99	100	95	98	99	R
<i>Morganella morganii</i> ^b	74	R	R	R	R	86 ^b	80 ^b	93 ^b	96 ^b	100	85	100	76	78	82	R
<i>Citrobacter koseri</i>	140	R	96	92	81	98	96	99	98	100	100	100	96	97	99	99
<i>Citrobacter freundii</i> ^b	31	R	R	R	R	77 ^b	71 ^b	97	80 ^b	100	97	97	97	97	97	100
<i>Pseudomonas aeruginosa</i>	439	R	R	R	R	R	90	92	94	97	-	99	R	R	93	-
<i>Stenotrophomonas maltophilia</i>	58	R	R	R	R	R	-	R	R	R	R	R	-	93	-	-
<i>Acinetobacter</i> spp.	41	R	R	R	R	R	-	-	-	90	90	95	-	95	90	-
<i>Haemophilus influenzae</i> ^d	249	56	69	-	-	93	-	-	99	-	-	-	-	64	-	-

^a 98% and 96% of ESBL *E. coli* susceptible to fosfomycin and mecillinam respectively

^b *E. cloacae*, *K. aerogenes*, *K. oxytoca*, *S. marcescens*, *M. morganii*, and *C. freundii* may develop resistance during treatment with third generation cephalosporins and β-lactam / β-lactam inhibitors

^c Cephalexin, nitrofurantoin, and trimethoprim susceptibility results apply to uncomplicated lower urinary tract infection only

^d 99% of *H. influenzae* isolates were susceptible to doxycycline.