

Emergency Department (ED)
- Urine Culture Antibiogram
Nebraska Medical Center
January 1, 2022 - October 31, 2025
 ED discharges only, first isolate
 per patient each year

Isolates	Amikacin*	Ampicillin (Amox)	Amoxicillin/Clav	Aztreonam	Cefazolin (Cephalexin)	Cefuroxime-PO	Cefoxitin	Ceftriaxone	Cefepime	Daptomycin	Ertapenem	Gentamicin*	Levofloxacin	Linezolid	Meropenem	Nitrofurantoin □	Piperacillin/Tazo	Sulfa/Trim	Tetracycline	Tobramycin*	Vancomycin
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GRAM NEGATIVE ORGANISMS

<i>Escherichia coli</i>	1405	99	52	82	92	88	82	90	91	92	R	99	91	84	R	100	98	90	73	74	91	R
<i>Klebsiella pneumoniae</i>	188	99	R	87	89	89	80	87	89	90	R	100	95	94	R	100	49	88	84	82	94	R
<i>Proteus mirabilis</i>	71	100	85	94	97	95	95	97	97	97	R	98	95	90	R	100	R	97	91	R	91	R
<i>Enterobacter cloacae</i>	34	100	R	R	R	R	R	R	76	91	R	94	100	97	R	100	29	85	88	94	100	R
<i>Klebsiella (Enterobacter) aerogenes</i>	32	100	R	R	R	R	R	R	84	96	R	93	96	96	R	100	28	93	96	90	93	R
<i>Pseudomonas aeruginosa</i>	31	96	R	R	R	R	R	R	R	93	R	R	86	80	R	93	R	90	R	R	100	R
<i>Klebsiella oxytoca / R. ornithinolytica</i>	29*	100	R	86	86	41	68	89	86	89	R	100	96	96	R	100	96	86	86	89	96	R
<i>Citrobacter freundii complex</i>	23*	100	R	R	R	R	R	R	60	100	R	100	100	100	R	100	100	95	91	86	100	R
<i>Citrobacter koseri</i>	17*	100	R	100	100	100	100	100	100	100	R	100	100	100	R	100	76	100	100	88	100	R
<i>Morganella morganii</i>	8*	100	R	R	R	R	R	87	100	100	R	100	75	75	R	100	R	100	62	50	87	R
<i>Providencia spp.</i>	8*	100	R	R	R	R	75	100	100	100	R	100	75	75	R	100	R	100	75	R	75	R

GRAM POSITIVE ORGANISMS

<i>Enterococcus faecalis</i>	76	R	98			R	R	R	R	R	100	R		89	100		100		R	23	R	100	
<i>Enterococcus faecium</i>	10*	R	0			R	R	R	R	R	80	R		0	100		90		R	R	0	R	40

•Subset of group above Fosfomycin not routinely tested, but > 95% of *E. coli* susceptible when performed. *E. faecalis* also available by request.

*Use caution interpreting results with < 30 isolates

R = intrinsically resistant

Blanks indicate not routinely tested

#Criteria for aminoglycoside resistance has changed & current results may have lower susceptibility rates. Call Micro Lab for information.

Green background = most likely susceptible, Yellow = possibly susceptible, Red/Orange = unlikely to be susceptible (avoid empirically)

□Nitrofurantoin is not recommended for the treatment of pyelonephritis

Outpatient Urinary Antibiogram

Nebraska Medical Center
 January 1, 2022 - October 31, 2025
 Outpatients only,
 first isolate per patient each year

Isolates	Ampicillin (Amox)	Amoxicillin/Clav	Aztreonam	Cefazolin (Cephalexin)	Cefuroxime-PO	Ceftriaxone	Cefepime	Ertapenem	Gentamicin [#]	Levofloxacin	Linezolid	Nitrofurantoin [□]	Sulfa/Trim
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GRAM NEGATIVE ORGANISMS

<i>Escherichia coli</i>	340	59	85	94	90	80	93	94	100	93	84	R	98	80
<i>Klebsiella pneumoniae</i>	68	R	95	96	94	83	95	95	97	97	94	R	45	91
<i>Proteus mirabilis</i>	27*	81	100	100	100	100	100	100	100	100	96	R	R	92
<i>Pseudomonas aeruginosa</i>	18*	R	R	93	R	R	R	94	R		83	R	R	R
<i>Enterobacter cloacae</i>	12*	R	R	91	R	R	75	83	91	100	91	R	41	83
<i>Citrobacter freundii</i> complex	11*	R	R	63	R	R	54	90	90	90	100	R	90	90
<i>Klebsiella oxytoca / Raoultella ornithinolytica</i>	6*	R	83	100	50	66	83	100	93	100	100	R	66	100

GRAM POSITIVE ORGANISM

<i>Enterococcus faecalis</i>	33	100			R	R	R	R	R	R	96	100	100	R
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Blanks indicate not routinely tested

[□]Nitrofurantoin is not recommended for the treatment of pyelonephritis

*Use caution interpreting results with < 30 isolates

R = intrinsically resistant

[#]Aminoglycoside resistance criteria changed & current results may have lower susceptibility rates. Call Micro lab for info.

Fosfomycin not routinely tested, yet > 95% of E. coli isolates susceptible when performed. E. faecalis also available by request

Green background=most likely susceptible, Yellow=possibly susceptible, Red=unlikely to be susceptible (avoid empirically)

For organisms not listed, refer to inpatient antibiogram

Inpatient Urine Antibigram
Nebraska Medical Center
January 1, 2022 - October 31, 2025
 Admitted patients only,
 first isolate per patient each year

	# Isolates	Amikacin #	Ampicillin (Amox)	Amoxicillin/Clav	Cefazolin (Cephalexin)	Cefuroxime-PO	Cefoxitin	Ceftriaxone	Cefepime	Daptomycin	Ertapenem	Gentamicin #	Levofloxacin	Linezolid	Meropenem	Nitrofurantoin [□]	Piperacillin/Tazo	Sulfa/Trim	Tobramycin #	Vancomycin
GRAM NEGATIVE ORGANISMS																				
<i>Escherichia coli</i>	1753	99	52	77	82	73	84	85	87	R	99	90	78	R	100	95	85	74	90	R
<i>Klebsiella pneumoniae</i>	442	99	R	80	80	70	77	83	83	R	98	92	90	R	99	45	82	77	90	R
<i>Pseudomonas aeruginosa</i>	247	97	R	R	R	R	R	R	85	R	R	89	70	R	89	R	86	R	97	R
<i>Proteus mirabilis</i>	204	100	81	92	90	91	93	94	95	R	100	91	81	R	100	R	94	79	92	R
<i>Enterobacter cloacae</i>	133	100	R	R	R	R	R	60	90	R	83	96	90	R	100	31	78	88	94	R
<i>Klebsiella oxytoca / Raoultella ornithinolytica</i>	123	100	R	78	42	70	78	78	82	R	98	88	95	R	99	94	78	79	87	R
<i>Klebsiella (Enterobacter) aerogenes</i>	81	100	R	R	R	24	R	64	93	R	92	96	97	R	100	25	79	96	97	R
<i>Citrobacter freundii</i> complex	63	100	R	R	R	R	R	58	88	R	95	95	87	R	96	92	87	71	90	R
<i>Citrobacter koseri</i>	29*	100	R	96	96	89	96	96	96	R	100	100	96	R	100	86	100	96	100	R
<i>Morganella morganii</i>	20*	100	R	R	R	R	70	90	100	R	100	95	90	R	100	R	100	75	100	R
<i>Providencia spp.</i>	16*	100	R	R	R	62	100	93	100	R	100	62	87	R	100	R	100	93	62	R
GRAM POSITIVE ORGANISMS																				
<i>Enterococcus faecalis</i>	315	R	100		R	R	R	R	R	99	R		89	99		99		R	R	100
<i>Enterococcus faecium</i>	113	R	8		R	R	R	R	R	89	R		7	96		79	R	R	R	32
•Vancomycin-resistant <i>Enterococcus faecium</i>	77	R	0	0	R	R	R	R	R	88	R		0	96		83		R	R	R
<i>Staphylococcus aureus</i>	46	R	R		97			97		100		95	77	100		100		100	R	100
•Methicillin-resistant <i>Staphylococcus aureus</i>	22*	R	R	R	R	R	R	0	R	100	R	95	37	100	R	100	R	95	R	100
•Subset of group above	[□] Nitrofurantoin is not recommended for the treatment of pyelonephritis																			
*Use caution interpreting results with < 30 isolates	R = intrinsically resistant							Blanks indicate not routinely tested												
#Criteria for aminoglycoside resistance has changed & current results may all have lower susceptibility rates. Call Micro Lab for information.																				
Fosfomycin not routinely tested, yet > 95% of <i>E. coli</i> were susceptible when requested. Interpretations of results only available for <i>E. coli</i> and <i>E. faecalis</i> .																				
Green background = most likely susceptible, Yellow = possibly susceptible, Red/Orange = unlikely to be susceptible (avoid empirically)																				