

Year 2016 2017 2018 2019 2020 2021 2022 2023

Uxbridge All Specimens: % Susceptibility

Gram Negative Organisms

<i>Escherichia coli (excluding ESBL)</i>	184	168	179	132	136	135	147	# isolates	90% or greater susceptible
Ampicillin	70	57	67	64	66	67	67		50-89% susceptible
Amoxicillin/Clavulanic acid		87	88	87	83	84	96		less than 50% susceptible
Cefazolin	97	96	96	92	95	93	92		antibiotic not tested
Ceftriaxone	98	99	99	95	99	97	97		less than 30 organisms reported
Ceftazidime	98	99	99	97	99	97	97	R	Intrinsic/Acquired Resistance
Piperacillin/Tazobactam	97	98	99	96	98	96	99		C. freundii is intrinsically resistant to Amoxicillin/Clavulanic Acid
Ertapenem	100	100	100	99	100	100	100		E. aerogens and E. cloacae are intrinsically resistant to Amoxicillin/Clavulanic Acid
Meropenem	100	100	100	100	100	100	100		Results for this drug not available - as per CLSI these drugs lack efficacy and are not suitable for AST or treatment of infection
Gentamicin	96	97	96	97	96	96	94		
Tobramycin	97	97	96	98	98	97	99		
Amikacin	100	100	100						
Trimethoprim/Sulfamethoxazole	80	80	83	81	85	87	82		
Ciprofloxacin	90	88	91	82	82	85	87		

<i>Escherichia coli (including ESBL)</i>	98	196	184	186	134	145	143	158	# isolates
Ampicillin	62	66	52	63	63	62	64	63	
Amoxicillin/Clavulanic acid			84	88	87	82	84	96	
Cefazolin	98	91	88	92	91	88	87	85	
Ceftriaxone	99	92	90	95	93	92	92	91	
Ceftazidime	99	92	90	97	96	93	92	91	
Piperacillin/Tazobactam	100	96	98	99	96	97	96	99	
Ertapenem	100	100	100	100	99	99	100	100	
Meropenem	100	100	100	100	100	100	100	100	
Gentamicin	92	95	95	96	96	94	96	94	
Tobramycin	92	94	95	95	97	96	97	99	
Amikacin	100	100	100	100					
Trimethoprim/Sulfamethoxazole	77	79	76	82	81	84	86	81	
Ciprofloxacin	87	85	84	89	81	79	82	83	

PLEASE NOTE
 Exercise caution in interpretation if fewer than 30 organisms are reported for a given species. It is recommended that at least 30 organism isolates are present for a given reporting period in order to preform valid statistical comparisons.

<i>Escherichia coli (ESBL)</i>	8	11	#isolates
Ampicillin	0	0	
Amoxicillin/Clavulanic acid	75	89	
Cefazolin	0	0	
Ceftriaxone	0	0	
Ceftazidime	13	0	
Piperacillin/Tazobactam	100	100	
Ertapenem	100	100	
Meropenem	100	100	
Gentamicin	88	100	
Tobramycin	88	100	
Trimethoprim/Sulfamethoxazole	63	73	
Ciprofloxacin	25	14	

Year	2016	2017	2018	2019	2020	2021	2022	2023		
<i>Klebsiella pneumoniae</i> (excluding ESBL)							15	29	# isolates	90% or greater susceptible
Ampicillin							R	R		50-89% susceptible
Amoxicillin/Clavulanic acid							93	100		less than 50% susceptible
Cefazolin							100	100		antibiotic not tested
Ceftriaxone							100	100		less than 30 organisms reported
Ceftazidime							100	97	R	Intrinsic/Acquired Resistance
Piperacillin/Tazobactam							100	100		C. freundii is intrinsically resistant to Amoxicillin/Clavulanic Acid
Ertapenem							100	100		E. aerogens and E. cloacae are intrinsically resistant to Amoxicillin/Clavulanic Acid
Meropenem							100	100		Results for this drug not available - as per CLSI these drugs lack efficacy and are not suitable for AST or treatment of infection
Gentamicin							100	100		
Tobramycin							100	100		
Amikacin										
Trimethoprim/Sulfamethoxazole							100	97		
Ciprofloxacin							93	97		
<i>Klebsiella pneumoniae</i> (ESBL)							0	2	# isolates	
Ampicillin										
Amoxicillin/Clavulanic acid								100		
Cefazolin								0		
Ceftriaxone								0		
Ceftazidime								0		
Piperacillin/Tazobactam								100		
Ertapenem								100		
Meropenem								100		
Gentamicin								50		
Tobramycin								100		
Amikacin										
Trimethoprim/Sulfamethoxazole								50		
Ciprofloxacin								50		
<i>Klebsiella pneumoniae</i> (including ESBL)	15	14	32	23	14	14	15	31	# isolates	
Ampicillin		R	R	R	R	R	R	R		
Amoxicillin/Clavulanic acid			94	87	100	93	93	100		
Cefazolin	93	100	94	83	93	92	100	93		
Ceftriaxone	93	100	97	95	100	93	100	94		
Ceftazidime	93	100	94	91	100	93	100	90		
Piperacillin/Tazobactam	100	100	94	96	100	100	100	100		
Ertapenem	100	100	100	100	100	100	100	100		
Meropenem	100	100	100	100	100	100	100	100		
Gentamicin	87	100	100	100	100	100	100	97		
Tobramycin	87	100	100	100	100	100	100	100		
Amikacin	100	100	100	100						
Trimethoprim/Sulfamethoxazole	80	93	94	87	100	86	100	94		
Ciprofloxacin	87	100	97	96	100	79	93	94		

Year	2016	2017	2018	2019	2020	2021	2022	2023		
<i>Enterobacter spp</i>	5	9	7	8	4	4	9	4	# isolates	90% or greater susceptible
Ampicillin		R	R	R	R	R	R	R		50-89% susceptible
Amoxicillin/Clavulanic acid			14	0	0	0	0	0		less than 50% susceptible
Cefazolin		R	R	R	R	R	R	R		antibiotic not tested
Ceftriaxone	80	78	100	100	75	75	78	100		less than 30 organisms reported
Ceftazidime	80	78	100	100	75	75	78	100	R	Intrinsic/Acquired Resistance
Piperacillin/Tazobactam	80	88	100	100	75	75	78	100		C. freundii is intrinsically resistant to Amoxicillin/Clavulanic Acid
Ertapenem	100	100	100	100	100	100	100	100		E. aerogens and E. cloacae are intrinsically resistant to Amoxicillin/Clavulanic Acid
Meropenem	100	100	100	100	100	100	100	100		Results for this drug not available - as per CLSI these drugs lack efficacy and are not suitable for AST or treatment of infection
Gentamicin	100	100	100	100	100	100	100	100		
Tobramycin	100	100	100	100	100	100	100	100		
Amikacin	100	100	100	100						
Trimethoprim/Sulfamethoxazole	100	89	100	100	100	100	100	100		
Ciprofloxacin	100	100	100	100	100	100	100	100		
<i>Proteus mirabilis</i>	8	12	12	11	6	11	8	8	# isolates	
Ampicillin	75	92	58	91	83	64	100	88		
Amoxicillin/Clavulanic acid			100	100	100	91	100	100		
Cefazolin	88	100	92	90	100	80	100	88		
Ceftriaxone	88	100	92	91	100	91	100	88		
Ceftazidime	88	100	83	91	100	91	100	88		
Piperacillin/Tazobactam	100	100	100	100	100	100	100	100		
Ertapenem	100	100	100	100	100	100	100	100		
Meropenem	100	100	100	100	100	100	100	100		
Gentamicin	88	100	92	91	100	91	100	100		
Tobramycin	88	100	83	91	100	91	100	88		
Amikacin	88	100	100	89						
Trimethoprim/Sulfamethoxazole	75	92	83	91	83	82	100	88		
Ciprofloxacin	75	83	83	64	100	91	100	88		
<i>Pseudomonas aeruginosa</i>	13	20	22	17	10	13	19	14	# isolates	
Ampicillin										
Amoxicillin/Clavulanic acid			R	R	R	R	R	R		
Cefazolin										
Ceftriaxone										
Ceftazidime	92	90	95	88	100	85	95	92		
Piperacillin/Tazobactam	100	100	95	88	100	92	95	100		
Ertapenem										
Meropenem	92	100	95	94	90	100	89	100		
Gentamicin	85	100	91	94	80	100	95	100		
Tobramycin	100	100	100	94	100	100	100	100		
Amikacin	100	95	95	100						
Trimethoprim/Sulfamethoxazole										
Ciprofloxacin	92	100	91	100	100	69	89	100		

Year	2016	2017	2018	2019	2020	2021	2022	2023	
Uxbridge All Specimens: % Susceptibility									
Gram Positive Organisms									
<i>Staphylococcus aureus</i>	39	46	51	48	48	61	35	35	# isolates
Ampicillin									
Amoxicillin/Clavulanic Acid			98	98	100	100	84	100	
Cloxacillin	87	96	80	88	85	85	77	80	
Cefazolin	97	96	80	88	85	85	74	80	
Clindamycin									
Erythromycin									
Trimethoprim/Sulfamethoxazole									
Ciprofloxacin									
Tetracycline									
Rifampin									
Vancomycin									
<i>Staph aureus MSSA</i>	34	44	42	42	48	52	27	28	# isolates
Ampicillin									
Amoxicillin/Clavulanic Acid			100	100	100	100	96	100	
Cloxacillin	100	100	98	100	100	100	100	100	
Cefazolin	100	100	98	100	100	100	96	100	
Clindamycin	85	66	74	71	78	87	67	82	
Erythromycin	85	64	69	69	76	85	63	79	
Trimethoprim/Sulfamethoxazole	100	100	95	100	100	100	96	100	
Ciprofloxacin	94	93	98	90	100	94	85	96	
Tetracycline	100	95	98	98	98	98	93	93	
Rifampin	100	100	100	100	100	100	100	100	
Vancomycin	100	100	100	100	100	100	100	100	
<i>Staph aureus MRSA</i>	5	2	9	6	7	9	8	8	# isolates
Ampicillin									
Amoxicillin/Clavulanic Acid			0	0	0	0	0		
Cloxacillin		R	R	R	R	R	0	0	
Cefazolin		R	R	R	R	R	0	0	
Clindamycin	40	100	78	83	86	56	88	63	
Erythromycin		0	33	0	14	11	50	25	
Trimethoprim/Sulfamethoxazole	100	100	100	100	86	100	88	100	
Ciprofloxacin		0	33	0	29	33	25	25	
Tetracycline	100	100	89	100	86	100	100	100	
Rifampin	100	100	100	100	100	100	100	100	
Vancomycin	100	100	100	100	100	100	100	100	

# isolates	See MSSA and MRSA
	90% or greater susceptible
	50-89% susceptible
	less than 50% susceptible
	antibiotic not tested
	less than 30 organisms reported
R	Intrinsic/Acquired Resistance
	C. freundii is intrinsically resistant to Amoxicillin/Clavulanic Acid
	E. aerogens and E. cloacae are intrinsically resistant to Amoxicillin/Clavulanic Acid
	Results for this drug not available - as per CLSI these drugs lack efficacy and are not suitable for AST or treatment of infection

Year	2016	2017	2018	2019	2020	2021	2022	2023		
<i>Enterococcus species</i>	20	45	44	39	24	30	33	37	# isolates	90% or greater susceptible
Ampicillin	75	87	84	90	96	77	88	89		50-89% susceptible
Amoxicillin/Clavulanic Acid										less than 50% susceptible
Cloxacillin	100									antibiotic not tested
Cefazolin										less than 30 organisms reported
Clindamycin	100								R	Intrinsic/Acquired Resistance
Erythromycin	100									C. freundii is intrinsically resistant to Amoxicillin/Clavulanic Acid
Trimethoprim/Sulfamethoxazole	100									E. aerogens and E. cloacae are intrinsically resistant to Amoxicillin/Clavulanic Acid
Ciprofloxacin	55	69	77	82	73	76	80	88		Results for this drug not available - as per CLSI these drugs lack efficacy and are not suitable for AST or treatment of infection
Tetracycline	39	36	40	26	33	23	18	34		
Rifampin	100									
Vancomycin	100	100	100	100	100	100	100	100		
<i>Enterococcus faecalis</i>			4	4	6	6	6	8	# isolates	
Ampicillin			100	100	100	100	100	100		
Amoxicillin/Clavulanic Acid										
Cloxacillin										
Cefazolin										
Clindamycin										
Erythromycin										
Trimethoprim/Sulfamethoxazole										
Ciprofloxacin			50	100	33	50	67	83		
Tetracycline			25	0	50	33	33	63		
Rifampin										
Vancomycin			100	100	100	100	100	100		
<i>Enterococcus faecium</i>			4	0	0	3	0		# isolates	
Ampicillin			0			0				
Amoxicillin/Clavulanic Acid										
Cloxacillin										
Cefazolin										
Clindamycin										
Erythromycin										
Trimethoprim/Sulfamethoxazole										
Ciprofloxacin			0			0				
Tetracycline			67			0				
Rifampin										
Vancomycin			100			100				

Year	2016	2017	2018	2019	2020	2021	2022	2023
Uxbridge Blood Specimens: % Susceptibility								
Gram Positive Organisms								
<i>Staphylococcus aureus</i>	3	9	10	7	7	5	3	8
Ampicillin								
Amoxicillin/Clavulanic Acid			100	100	100	100	67	100
Cloxacillin	100	100	70	100	86	100	67	75
Cefazolin	100	100	70	100	86	100	67	75
High Level Gentamycin								
Vancomycin	100	100	100	100	100	100	100	100
<i>Coagulase negative Staphylococcus</i>	0	1	1	1	1	4	3	0
Ampicillin							100	
Amoxicillin/Clavulanic Acid								
Cloxacillin		100	100	0	0	75		
Cefazolin		100	100	0	0	75		
High Level Gentamycin							100	
Vancomycin		100	100	100	100	100	100	
<i>Enterococcus faecalis</i>	0	2	1	1	1	1	3	1
Ampicillin		100	100	100	100	100	100	100
Amoxicillin/Clavulanic Acid								
Cloxacillin								
Cefazolin								
High Level Gentamycin		100	100	100	100	100	100	100
Vancomycin		100	100	100	100	100	100	100

# isolates	90% or greater susceptible
	50-89% susceptible
	less than 50% susceptible
	antibiotic not tested
	less than 30 organisms reported
R	Intrinsic/Acquired Resistance
	C. freundii is intrinsically resistant to Amoxicillin/Clavulanic Acid
	E. aerogens and E. cloacae are intrinsically resistant to Amoxicillin/Clavulanic Acid
	Results for this drug not available - as per CLSI these drugs lack efficacy and are not suitable for AST or treatment of infection

Year 2016 2017 2018 2019 2020 2021 2022 2023

Uxbridge Blood Specimens: % Susceptibility

Gram Negative Organisms

Year	2016	2017	2018	2019	2020	2021	2022	2023		
<i>Escheria coli (excluding ESBL)</i>		7	16	9	13	19	15	7	# isolates	90% or greater susceptible
Ampicillin		86	63	67	62	74	67	43		50-89% susceptible
Amoxicillin/Clavulanic acid			100	78	100	84	87	100		less than 50% susceptible
Cefazolin		100	88	67	69	79	67	33		antibiotic not tested
Ceftriaxone		100	100	100	100	100	93	100		less than 30 organisms reported
Ceftazidime		100	100	100	100	100	93	100	R	Intrinsic/Acquired Resistance
Piperacillin/Tazobactam		100	100	100	92	100	93	100		C. freundii is intrinsically resistant to Amoxicillin/Clavulanic Acid
Ertapenem		100	100	100	100	100	100	100		E. aerogens and E. cloacae are intrinsically resistant to Amoxicillin/Clavulanic Acid
Meropenem		100	100	100	100	100	100	100		Results for this drug not available - as per CLSI these drugs lack efficacy and are not suitable for AST or treatment of infection
Gentamicin		100	100	100	92	100	100	86		
Tobramycin		100	100	100	92	100	100	100		
Amikacin		100	100	100						
Trimethoprim/Sulfamethoxazole		86	88	100	85	100	93	71		
Ciprofloxacin		71	88	100	85	100	100	100		
<i>Escheria coli (including ESBL)</i>	6	8	19	10	13	20	15	7	# isolates	
Ampicillin	67	75	53	60	62	70	67	43		
Amoxicillin/Clavulanic acid			89	80	100	85	87	100		
Cefazolin	100	88	74	60	69	75	67	33		
Ceftriaxone	100	88	84	90	100	95	93	100		
Ceftazidime	100	88	84	90	100	95	93	100		
Piperacillin/Tazobactam	100	100	100	100	92	100	93	100		
Ertapenem	100	100	100	100	100	100	100	100		
Meropenem	100	100	100	100	100	100	100	100		
Gentamicin	100	100	95	100	92	100	100	86		
Tobramycin	100	88	89	100	92	100	100	100		
Amikacin	100	100	100	100						
Trimethoprim/Sulfamethoxazole	83	75	84	90	85	95	93	71		
Ciprofloxacin	67	63	74	90	85	100	100	100		
<i>Klebsiella pneumoniae (excluding ESBL)</i>							3	3	# isolates	
Ampicillin							R	R		
Amoxicillin/Clavulanic acid							100	100		
Cefazolin							100	100		
Ceftriaxone							100	100		
Ceftazidime							100	100		
Piperacillin/Tazobactam							100	100		
Ertapenem							100	100		
Meropenem							100	100		
Gentamicin							100	100		
Tobramycin							100	100		
Amikacin							100	100		
Trimethoprim/Sulfamethoxazole							100	100		
Ciprofloxacin							100	100		

Year	2016	2017	2018	2019	2020	2021	2022	2023	# isolates
<i>Klebsiella pneumoniae</i> (including ESBL)	2	2	4	4	4	1	3	4	# isolates
Ampicillin		R	R	R	R	R	R	R	
Amoxicillin/Clavulanic acid			75	100	100	100	100	100	
Cefazolin	100	100	75	50	75	100	100	67	
Ceftriaxone	100	100	100	75	100	100	100	75	
Ceftazidime	100	100	75	75	100	100	100	75	
Piperacillin/Tazobactam	100	100	75	100	100	100	100	100	
Ertapenem	100	100	100	100	100	100	100	100	
Meropenem	100	100	100	100	100	100	100	100	
Gentamicin	100	100	100	100	100	100	100	75	
Tobramycin	100	100	100	100	100	100	100	100	
Amikacin	100	100	100	100					
Trimethoprim/Sulfamethoxazole	100	100	100	75	100	100	100	75	
Ciprofloxacin	100	100	100	75	75	100	100	75	
Ciprofloxacin	100	100	100	75	75	100	100	75	
<i>Enterobacter spp</i>		3	1	1	-	1	4		# isolates
Ampicillin		R	R	R		R	R		
Amoxicillin/Clavulanic acid			0	0		0	0		
Cefazolin		R	R	R		R	R		
Ceftriaxone		67	100	100		100	75		
Ceftazidime		67	100	100		100	75		
Piperacillin/Tazobactam		100		100		100	75		
Ertapenem		100	100	100		100	100		
Meropenem		100	100	100		100	100		
Gentamicin		100	100	100		100	100		
Tobramycin		100	100	100		100	100		
Amikacin		100	100	100		100			
Trimethoprim/Sulfamethoxazole		100	100	100		100	100		
Ciprofloxacin		100	100	100		100	100		
<i>Pseudomonas aeruginosa</i>		0	1	2	-	1	1	2	# isolates
Ampicillin									
Amoxicillin/Clavulanic acid			R	R	R	R	R	R	
Cefazolin									
Ceftriaxone									
Ceftazidime			100	100		100	100	100	
Piperacillin/Tazobactam			100	100		100	100	100	
Ertapenem									
Meropenem			100	100		100	100	100	
Gentamicin			0	100		100	100	100	
Tobramycin			100	100		100	100	100	
Amikacin			0	100					
Trimethoprim/Sulfamethoxazole									
Ciprofloxacin			100	100		100	100	100	

	90% or greater susceptible
	50-89% susceptible
	less than 50% susceptible
	antibiotic not tested
	less than 30 organisms reported
R	Intrinsic/Acquired Resistance
	C. freundii is intrinsically resistant to Amoxicillin/Clavulanic Acid
	E. aerogens and E. cloacae are intrinsically resistant to Amoxicillin/Clavulanic Acid
	Results for this drug not available - as per CLSI these drugs lack efficacy and are not suitable for AST or treatment of infection

Year 2016 2017 2018 2019 2020 2021 2022 2023

Uxbridge Urine Specimens: % Susceptibility

Gram Negative Organisms

<i>Escheria coli (excluding ESBL)</i>	180	156	174	127	123	126	139	# isolates	90% or greater susceptible
Ampicillin	70	57	67	65	65	67	68		50-89% susceptible
Amoxicillin/Clavulanic acid		86	89	87	83	85	96		less than 50% susceptible
Cefazolin	97	96	97	94	98	95	94		antibiotic not tested
Ceftriaxone	98	99	98	95	99	98	97		less than 30 organisms reported
Ceftazidime	98	99	99	97	99	98	97	R	Intrinsic/Acquired Resistance
Piperacillin/Tazobactam	97	97	99	97	98	96	99		C. freundii is intrinsically resistant to Amoxicillin/Clavulanic Acid
Ertapenem	100	100	100	99	100	100	100		E. aerogens and E. cloacae are intrinsically resistant to Amoxicillin/Clavulanic Acid
Meropenem	100	100	100	100	100	100	100		Results for this drug not available - as per CLSI these drugs lack efficacy and are not suitable for AST or treatment of infection
Gentamicin	96	97	96	97	96	96	94		
Tobramycin	97	97	96	98	98	97	99		
Amikacin	100	100	100						
Nitrofurantoin	98	96	97	98	98	97	99		
Trimethoprim/Sulfamethoxazole	81	80	82	80	84	87	82		
Ciprofloxacin	91	88	90	82	81	84	86		
<i>Escheria coli (ESBL)</i>						8	11	# isolates	
Ampicillin						0	0		
Amoxicillin/Clavulanic acid						75	89		
Cefazolin						0	0		
Ceftriaxone						0	0		
Ceftazidime						13	0		
Piperacillin/Tazobactam						100	100		
Ertapenem						100	100		
Meropenem						100	100		
Gentamicin						88	100		
Tobramycin						88	100		
Amikacin									
Nitrofurantoin						88	100		
Trimethoprim/Sulfamethoxazole						63	73		
Ciprofloxacin						25	14		
<i>Escheria coli (including ESBL)</i>	93	191	169	181	129	131	134	150	# isolates
Ampicillin	61	66	53	65	64	62	63	63	
Amoxicillin/Clavulanic acid			84	88	88	82	84	96	
Cefazolin		92	89	93	93	91	90	87	
Ceftriaxone	99	92	91	94	94	92	92	90	
Ceftazidime	99	92	91	97	96	93	93	90	
Piperacillin/Tazobactam	100	96	98	99	97	98	96	99	
Ertapenem	100	100	100	100	99	99	100	100	
Meropenem	100	100	100	100	100	100	100	100	
Gentamicin	91	95	95	96	96	95	96	95	
Tobramycin	91	94	95	95	97	96	96	99	
Amikacin	100	100	100	100					
Nitrofurantoin	97	98	96	97	98	98	96	99	
Trimethoprim/Sulfamethoxazole	76	79	76	81	80	83	85	81	
Ciprofloxacin	88	86	84	88	81	79	81	82	
<i>Klebsiella pneumoniae (excluding ESBL)</i>						13	27	# isolates	90% or greater susceptible
Ampicillin						R	R		50-89% susceptible

Year	2016	2017	2018	2019	2020	2021	2022	2023	
Amoxicillin/Clavulanic acid							92	100	
Cefazolin							100	100	
Ceftriaxone							100	100	
Ceftazidime							100	96	
Piperacillin/Tazobactam							100	100	
Ertapenem							100	100	
Meropenem							100	100	
Gentamicin							100	100	
Tobramycin							100	100	
Amikacin									
Nitrofurantoin							38	77	
Trimethoprim/Sulfamethoxazole							100	96	
Ciprofloxacin							92	96	
<i>Klebsiella pneumoniae</i> (including ESBL)	14	12	28	21	12	12	13	28	# isolates
Ampicillin		R	R	R	R	R	R	R	
Amoxicillin/Clavulanic acid			96	86	100	92	92	100	
Cefazolin		100	96	90	100	92	100	96	
Ceftriaxone	93	100	96	100	100	92	100	96	
Ceftazidime	93	100	96	95	100	92	100	93	
Piperacillin/Tazobactam	100	100	96	95	100	100	100	100	
Ertapenem	100	100	100	100	100	100	100	100	
Meropenem	100	100	100	100	100	100	100	100	
Gentamicin	86	100	100	100	100	100	100	100	
Tobramycin	86	100	100	100	100	100	100	100	
Amikacin	100	100	100	100					
Nitrofurantoin	50	58	50	24	17	25	38	79	
Trimethoprim/Sulfamethoxazole	79	92	93	90	100	83	100	96	
Ciprofloxacin	86	100	96	100	100	75	92	96	
<i>Enterobacter spp</i>	4	6	6	6	4	3	3	4	# isolates
Ampicillin		R	R	R	R	R	R	R	
Amoxicillin/Clavulanic acid			17	0	0	0	0	1	
Cefazolin		R	R	R	R	R	R	R	
Ceftriaxone	75	83	100	100	75	100	100	100	
Ceftazidime	75	83	100	100	75	100	100	100	
Piperacillin/Tazobactam	75	83	100	100	75	100	100	100	
Ertapenem	100	100	100	100	100	100	100	100	
Meropenem	100	100	100	100	100	100	100	100	
Gentamicin	100	100	100	100	100	100	100	100	
Tobramycin	100	100	100	100	100	100	100	100	
Amikacin	100	100	100	100					
Nitrofurantoin	50	33	67	50	25	0	100	100	
Trimethoprim/Sulfamethoxazole	100	83	100	100	100	100	100	100	
Ciprofloxacin	100	100	100	100	100	100	100	100	

	less than 50% susceptible
	antibiotic not tested
	less than 30 organisms reported
R	Intrinsic/Acquired Resistance
	C. freundii is intrinsically resistant to Amoxicillin/Clavulanic Acid
	E. aerogens and E. cloacae are intrinsically resistant to Amoxicillin/Clavulanic Acid
	Results for this drug not available - as per CLSI these drugs lack efficacy and are not suitable for AST or treatment of infection

Year	2016	2017	2018	2019	2020	2021	2022	2023		
<i>Proteus mirabilis</i>	7	10	11	10	6	9	6	8	# isolates	90% or greater susceptible
Ampicillin	71	100	64	90	83	56	100	88		50-89% susceptible
Amoxicillin/Clavulanic acid			100	100	100	89	100	100		less than 50% susceptible
Cefazolin		100	100	90	100	89	100	88		antibiotic not tested
Ceftriaxone	86	100	100	90	100	89	100	88		less than 30 organisms reported
Ceftazidime	86	100	91	90	100	89	100	88	R	Intrinsic/Acquired Resistance
Piperacillin/Tazobactam	100	100	100	100	100	100	100	100		C. freundii is intrinsically resistant to Amoxicillin/Clavulanic Acid
Ertapenem	100	100	100	100	100	100	100	100		E. aerogens and E. cloacae are intrinsically resistant to Amoxicillin/Clavulanic Acid
Meropenem	100	100	100	100	100	100	100	100		Results for this drug not available - as per CLSI these drugs lack efficacy and are not suitable for AST or treatment of infection
Gentamicin	86	100	100	90	100	89	100	100		
Tobramycin	86	100	91	90	100	89	100	88		
Amikacin	86	100	100	88						
Nitrofurantoin		R	R	R	R	R	0	0		
Trimethoprim/Sulfamethoxazole	71	90	91	90	83	78	100	88		
Ciprofloxacin	86	80	91	70	100	89	100	88		
<i>Pseudomonas aeruginosa</i>	6	16	12	13	7	9	16	11	# isolates	
Ampicillin										
Amoxicillin/Clavulanic acid			R	R	R	R	R	R		
Cefazolin										
Ceftriaxone										
Ceftazidime	100	94	92	85	100	78	94	90		
Piperacillin/Tazobactam	100	100	92	92	100	89	94	100		
Ertapenem										
Meropenem	83	100	92	100	86	100	88	100		
Gentamicin	67	100	83	100	71	100	94	100		
Tobramycin	100	100	100	100	100	100	100	100		
Amikacin	100	94	92	100						
Nitrofurantoin										
Trimethoprim/Sulfamethoxazole										
Ciprofloxacin	100	100	92	100	100	67	88	100		

Year 2016 2017 2018 2019 2020 2021 2022 2023

Uxbridge Urine Specimens: % Susceptibility

Gram Positive Organisms

Year	2016	2017	2018	2019	2020	2021	2022	2023	# isolates	
<i>Staphylococcus aureus</i>	4	4	4	2	1	3	5	3		90% or greater susceptible
Ampicillin										50-89% susceptible
Amoxicillin/Clavulanic Acid			100	100	100	100	100	100		less than 50% susceptible
Cefazolin	100	100	75	100	100	100	100	33		antibiotic not tested
Cloxacillin	75	100	75	100	100	100	100	33		less than 30 organisms reported
Trimethoprim/Sulfamethoxazole	100	100	100	100	100	100	100	100		R Intrinsic/Acquired Resistance
Ciprofloxacin	25	100	75	100	100	100	100	33		C. freundii is intrinsically resistant to Amoxicillin/Clavulanic Acid
Nitrofurantoin	100	100	100	100	100	100	100	100		E. aerogens and E. cloacae are intrinsically resistant to Amoxicillin/Clavulanic Acid
Tetracycline	100	100	100	100	100	100	100	100		Results for this drug not available - as per CLSI these drugs lack efficacy and are not suitable for AST or treatment of infection
Rifampin	100	100	100	100	100	100	100	100		
Vancomycin	100	100	100	100	100	100	100	100		
<i>Enterococcus species</i>	20	41	40	38	22	27	30	35	# isolates	
Ampicillin	75	88	90	89	95	74	87	89		
Amoxicillin/Clavulanic Acid										
Cefazolin										
Cloxacillin	100									
Trimethoprim/Sulfamethoxazole	100									
Ciprofloxacin	55	68	80	82	73	70	80	88		
Nitrofurantoin	90	88	93	89	95	67	83	91		
Tetracycline	39	39	40	29	27	22	17	30		
Rifampin	100									
Vancomycin	100	100	100	100	100	100	100	100		
<i>Enterococcus faecalis</i>			2	0	3	2	3		# isolates	
Ampicillin			100		100	100	100			
Amoxicillin/Clavulanic Acid										
Cefazolin										
Cloxacillin										
Trimethoprim/Sulfamethoxazole										
Ciprofloxacin			50		33	50	67			
Nitrofurantoin			100		100	100	100			
Tetracycline			50		33	0	33			
Rifampin										
Vancomycin			100		100	100	100			
<i>Enterococcus faecium</i>			1	0	0	1	0		# isolates	
Ampicillin			0			0				
Amoxicillin/Clavulanic Acid										
Cefazolin										
Cloxacillin										
Trimethoprim/Sulfamethoxazole										
Ciprofloxacin			0			0				
Nitrofurantoin			0			0				
Tetracycline			100			0				
Rifampin										
Vancomycin			100			100				

Year 2016 2017 2018 2019 2020 2021 2022 2023

All locations *S. pneumoniae* Specimens: % Susceptibility

Gram Positive Organisms

Year	2016	2017	2018	2019	2020	2021	2022	2023	# isolates	
Blood culture and spinal fluid specimens	33	38	34	41	8	17	39	51	# isolates	90% or greater susceptible
Penicillin V (oral)								100		50-89% susceptible
Penicillin G (parenteral)								100		less than 50% susceptible
Ceftriaxone								100		antibiotic not tested
Levofloxacin	100	100	100	100	100	100	97	100		less than 30 organisms reported
Meropenem	100	94	94	95	100	94	89	98	R	Intrinsic/Acquired Resistance
Vancomycin	100	100	100	100	100	100	100	100		C. freundii is intrinsically resistant to Amoxicillin/Clavulanic Acid
Trimethoprim/Sulfamethoxazole								82		E. aerogens and E. cloacae are intrinsically resistant to Amoxicillin/Clavulanic Acid
Erythromycin								71		Results for this drug not available - as per CLSI these drugs lack efficacy and are not suitable for AST or treatment of infection
Meningeal interpretation	33	42	38	41	8	18	39	51	# isolates	
Penicillin V (oral)										
Penicillin G (parenteral)	85	90	89	90	88	78	79	86		
Ceftriaxone	97	95	95	98	100	94	89	98		
Levofloxacin										
Meropenem										
Vancomycin										
Trimethoprim/Sulfamethoxazole										
Erythromycin										
Non-meningeal interpretation	33	42	38	41	8	18	39	51	# isolates	
Penicillin V (oral)										
Penicillin G (parenteral)	100	100	97	100	100	94	97	100		
Ceftriaxone	100	100	100	100	100	94	97	100		
Levofloxacin										
Meropenem										
Vancomycin										
Trimethoprim/Sulfamethoxazole										
Erythromycin										
All specimens except blood cultures and spinal fluid specimens	29	40	30	30	24	14	15	26	# isolates	
Penicillin V (oral)	79	72	90	83	75	57	87	83		
Penicillin G (parenteral)	100	91	100	100	100	83	100	100		
Ceftriaxone	100	92	100	100	100	86	100	100		
Levofloxacin	97	97	97	100	100	100	100	100		
Meropenem								83		
Vancomycin								100		
Trimethoprim/Sulfamethoxazole	90	88	86	80	79	79	93	88		
Erythromycin	66	60	76	57	50	64	79	77		