

## BJC West/South Regional Antibigram 2022

GRAM NEGATIVE		ANTIBIOTICS															
1/1/2022-12/31/2022		Number tested	Amoxicillin/ Clavulanic Acid	Ampicillin	Cefazolin	Cefepime	Ceftriaxone	Ciprofloxacin	Ertapenem	Gentamicin	Levofloxacin	Meropenem	Nitrofurantoin	Piperacillin/ Tazobactam	Tetracycline	Tobramycin	Trimethoprim/ Sulfamethoxazole
ORGANISM		PERCENT SUSCEPTIBLE															
<i>Citrobacter freundii</i> complex	147	•	•	•	100	•	90	100	97	87	99	95	•	81	97	90	
<i>Citrobacter koseri</i>	121	98	•	95	98	98	98	100	100	98	100	84	98	99	100	98	
<i>Klebsiella (Enterobacter) aerogenes</i>	178	•	•	•	99	•	96	99	99	92	98	10	•	93	100	99	
<i>Enterobacter cloacae</i> complex	290	•	•	•	94	•	93	89	99	92	98	26	•	90	100	92	
<i>Escherichia coli</i>	5988	84	55	85	95	92	78	100	93	75	100	96	97	80	93	78	
<i>Klebsiella oxytoca</i>	247	87	0	49	94	89	90	99	94	91	99	80	90	88	94	91	
<i>Klebsiella pneumoniae</i>	1125	92	0	90	94	93	89	99	97	86	100	23	96	82	94	89	
<i>Proteus mirabilis</i>	691	91	79	93	98	97	78	100	95	78	100	0	99	0	96	81	
<i>Pseudomonas aeruginosa</i>	811				92		84		94	78	93		91		98		
<i>Serratia marcescens</i>	110	•	•	•	100	•	95	98	100	93	98	0	•	29	86	99	
<i>Stenotrophomonas maltophilia</i>	55									96						93	

GRAM POSITIVE		ANTIBIOTICS																		
1/1/2022-12/31/2022		Number tested	Ampicillin	Benzylpenicillin	Ceftriaxone	Ceftriaxone (non-meningitis)	Ceftriaxone (meningitis)	Clindamycin	Erythromycin	Gentamicin (High-Level)	Linezolid	Nitrofurantoin	Oxacillin	Penicillin (non-meningitis)	Penicillin (meningitis)	Penicillin Oral V	Streptomycin (High-Level)	Tetracycline	Trimethoprim/ Sulfamethoxazole	Vancomycin
Organism		PERCENT SUSCEPTIBLE																		
<i>Enterococcus faecalis</i>	919	99							11	82	96	99					90	30		96
<i>Enterococcus faecium</i>	136	22							5	88	98	23					88	29		45
<i>Staphylococcus aureus, ALL</i>	1276						67	45		100			61					88	94	100
<i>Staphylococcus epidermidis</i>	463						62	39		100			44					78	62	97
<i>Staphylococcus lugdunensis</i>	170						76	76		100			85					94	99	100
<i>Streptococcus agalactiae</i>	130		100	100				39	24									12		100
<i>Streptococcus anginosus</i>	90		94	98				66	58									53		100
<i>Streptococcus pneumoniae</i>	52				100	92			64					100	83	83		87	88	100

- 85-100% Susceptible
- 60-84% Susceptible
- <60% Susceptible
- Due to the presence of inducible beta-lactamases, this organism should be considered resistant to the antimicrobial indicated
- Shaded boxes indicate organism/antimicrobial combinates not tested routinely
- Denotes manufacturer reporting limitation

## 2021 vs. 2022 West-South Regional Antibigrams

		ANTIBIOTICS															
GRAM NEGATIVE		Number tested	Amoxicillin/ Clavulanic Acid	Ampicillin	Cefazolin	Cefepime	Ceftriaxone	Ciprofloxacin	Ertapenem	Gentamicin	Levofloxacin	Meropenem	Nitrofurantoin	Piperacillin/ Tazobactam	Tetracycline	Tobramycin	Trimethoprim/ Sulfamethoxazole
2021	<i>Citrobacter freundii</i> complex	125	•	•	•	100	•	89	100	99	86	100	94	•	82	99	88
2022	<i>Citrobacter freundii</i> complex	147	•	•	•	100	•	90	100	97	87	99	95	•	81	97	90
2021	<i>Citrobacter koseri</i>	125	98	•	99	100	98	99	100	100	98	100	88	100	99	100	100
2022	<i>Citrobacter koseri</i>	121	98	•	95	98	98	98	100	100	98	100	84	98	99	100	98
2021	<i>Klebsiella (Enterobacter) aerogenes</i>	126	•	•	•	99	•	95	97	99	93	98	14	•	96	99	98
2022	<i>Klebsiella (Enterobacter) aerogenes</i>	178	•	•	•	99	•	96	99	99	92	98	10	•	93	100	99
2021	<i>Enterobacter cloacae</i> complex	267	•	•	•	93	•	92	89	96	91	98	30	•	85	97	90
2022	<i>Enterobacter cloacae</i> complex	290	•	•	•	94	•	93	89	99	92	98	26	•	90	100	92
2021	<i>Escherichia coli</i>	5299	85	57	85	95	94	77	100	93	74	100	97	97	81	94	79
2022	<i>Escherichia coli</i>	5988	84	55	85	95	92	78	100	93	75	100	96	97	80	93	78
2021	<i>Klebsiella oxytoca</i>	219	89	0	56	96	91	94	100	95	94	100	87	93	90	95	92
2022	<i>Klebsiella oxytoca</i>	247	87	0	49	94	89	90	99	94	91	99	80	90	88	94	91
2021	<i>Klebsiella pneumoniae</i>	1008	94	0	92	95	94	89	99	97	85	100	23	96	82	95	89
2022	<i>Klebsiella pneumoniae</i>	1125	92	0	90	94	93	89	99	97	86	100	23	96	82	94	89
2021	<i>Proteus mirabilis</i>	531	94	83	92	98	97	79	100	96	80	100	0	100	0	97	84
2022	<i>Proteus mirabilis</i>	691	91	79	93	98	97	78	100	95	78	100	0	99	0	96	81
2021	<i>Pseudomonas aeruginosa</i>	819				90		83		92	79	94		92		98	
2022	<i>Pseudomonas aeruginosa</i>	811				92		84		94	78	93		91		98	
2021	<i>Serratia marcescens</i>	103	•	•	•	100	•	•	•	95	98	97	0	•	39	91	100
2022	<i>Serratia marcescens</i>	110	•	•	•	100	•	•	•	100	93	98	0	•	29	86	99
2021	<i>Stenotrophomonas maltophilia</i>	67									88						93
2022	<i>Stenotrophomonas maltophilia</i>	55									96						93

		ANTIBIOTICS																		
GRAM POSITIVE		Number tested	Ampicillin	Benzylpenicillin	Ceftriaxone	Ceftriaxone (non-meningitis)	Ceftriaxone (meningitis)	Clindamycin	Erythromycin	Gentamicin (High-Level)	Linezolid	Nitrofurantoin	Oxacillin	Penicillin (non-meningitis)	Penicillin (meningitis)	Penicillin Oral V	Streptomycin (High-Level)	Tetracycline	Trimethoprim/ Sulfamethoxazole	Vancomycin
2021	<i>Enterococcus faecalis</i>	727	100						10	78	95	100					86	27		95
2022	<i>Enterococcus faecalis</i>	919	99						11	82	96	99					90	30		96
2021	<i>Enterococcus faecium</i>	110	23						3	85	96	21					67	25		42
2022	<i>Enterococcus faecium</i>	136	22						5	88	98	23					88	29		45
2021	<i>Staphylococcus aureus, ALL</i>	1557						70	46		100		61					90	94	100
2022	<i>Staphylococcus aureus, ALL</i>	1276						71	48		100		64					89	95	100
2021	<i>Staphylococcus epidermidis</i>	416						63	33		100		39					81	63	100

2022	<i>Staphylococcus epidermidis</i>	463						62	39		100		44					78	62	97
2021	<i>Staphylococcus lugdunensis</i>	135						79	79		100		83					92	99	100
2022	<i>Staphylococcus lugdunensis</i>	170						76	76		100		85					94	99	100
2021	<i>Streptococcus agalactiae</i>	108		100	100			41	30											100
2022	<i>Streptococcus agalactiae</i>	130		100	100			39	24											100
2021	<i>Streptococcus anginosus</i>	58		88	91			67	49											100
2022	<i>Streptococcus anginosus</i>	90		94	98			66	58											100
2021	<i>Streptococcus pneumoniae</i>	44		100	93	100	93		66					98	66	66			82	100
2022	<i>Streptococcus pneumoniae</i>	52		100	100	100	92		64					100	83	83			88	100

- 85-100% Susceptible
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- Due to the presence of inducible beta-lactamases, this organism should be considered resistant to the antimicrobial indicated
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