Dynacare® 2019 Markham-Stouffville Antibiogram

All Specimens: % Susceptible

Specimen Type: All

Gram Negative Organisms	# of Isolates	Ampicillin	Amoxacillin/Clavulanic acid	Cefazolin	Ceftriaxone	Ceftazidime	Piperacillin/Tazobactam	Ertapenem	Meropenem	Gentamicin	Tobramycin	Amikacin	Trimethoprim/Sulfamethoxazole	Ciprofloxacin
Escherichia coli (not including ESBL)	995	57%	82%	91%	98%	98%	96%	100%	100%	92%	93%	100%	80%	84%
Escherichia coli (including ESBL)	1,151	50%	80%	79%	84%	85%	95%	100%	100%	90%	89%	100%	75%	77%
Klebsiella pneumoniae	206	R	92%	88%	92%	92%	95%	99%	100%	98%	97%	99%	90%	91%
Enterobacter spp	70	R	1%	R	72%	81%	80%	92%	100%	97%	97%	100%	97%	97%
Proteus mirabilis	115	85%	98%	88%	100%	98%	100%	100%	100%	95%	97%	100%	86%	87%
Pseudomonas aeruginosa	160		R			93%	96%		88%	98%	99%	97%		94%
Citrobacter freundii complex	32	R	9%	R	63%	69%	77%	100%	100%	94%	91%	100%	91%	91%
Klebsiella oxytoca	36	R	94%	76%	92%	94%	94%	100%	100%	97%	97%	100%	100%	97%

Specimen Type: All

Gram Positive Organisms	# of Isolates	Ampicillin	Amoxacillin/Clavulanic acid	Cloxacillin	Cefazolin	Clindamycin	Erythromycin	Trimethoprim/Sulfamethoxazole	Ciprofloxacin	Tetracycline	Rifampin	Vancomycin
Staphylococcus aureus	390		99%	86%	86%	See MSSA and MRSA						
Staph aureus MSSA	337		100%	100%	100%	80%	76%	100%	90%	96%	99%	100%
Staph aureus MRSA	57		0%	R	R	65%	37%	100%	53%	89%	98%	100%
Enterococcus species	293	88%							75%	32%		99%
Enterococcus faecalis	70	100%							84%	29%		100%
Enterococcus faecium	18	0%							0%	44%		100%

All Specimens: # Isolates

Ampicillin	Amoxacillin/Clavulanic acid	Cefazolin	Ceftriaxone	Ceftazidime	Piperacillin/Tazobactam	Ertapenem	Meropenem	Gentamicin	Tobramycin	Amikacin	Trimethoprim/Sulfamethoxazole	Ciprofloxacin
995	995	983	992	992	993	995	995	995	995	623	995	995
1,151	1,151	1,138	1,148	1,148	1,149	1,151	1,151	1,151	1,151	729	1,151	1,151
206	206	198	206	206	206	206	206	206	206	141	206	206
1	70	69	69	69	70	66	70	70	70	43	70	69
115	114	107	115	115	114	115	115	115	115	79	115	115
				160	159		160	160	160	103		160
	32	32	32	32	31	31	32	32	32	17	32	32
36	36	34	36	36	36	36	36	36	36	23	36	36

Ampicillin	Amoxacillin/Clavulanic acid	Cloxacillin	Cefazolin	Clindamycin	Erythromycin	Trimethoprim/Sulfamethoxazole	Ciprofloxacin	Tetracycline	Rifampin	Vancomycin
	337	390	389	See MSSA and MRSA						
	334	337	336	336	336	336	336	336	336	336
	4	57	57	57	57	57	57	57	57	57
293							264	286		292
70							50	70		70
18							13	18		18

Blood Culture Specimens: % Susceptible

Specimen Type: Blood

Gram Positive Organisms	# of Isolates	Ampicillin	Amoxacillin/Clavulanic acid	Cloxacillin	Cefazolin	High Level Gentamicin	Vancomycin
Staphylococcus aureus	77		100%	87%	87%		100%
Coagulase negative Staphylococcus	34			41%	41%		100%
Enterococcus faecalis	21	100%				90%	100%

Specimen Type: Blood

Gram Negative Organisms	# of Isolates	Ampicillin	Amoxacillin/Clavulanic acid	Cefazolin	Ceftriaxone	Ceftazidime	Piperacillin/Tazobactam	Ertapenem	Meropenem	Gentamicin	Tobramycin	Amikacin	Trimethoprim/Sulfamethoxazole	Ciprofloxacin
Escherichia coli (not including ESBL)	163	53%	82%	69%	97%	98%	96%	100%	100%	90%	92%	100%	78%	78%
Escherichia coli (including ESBL)	201	43%	79%	56%	78%	79%	95%	100%	100%	90%	90%	100%	72%	70%
Klebsiella pneumoniae	58	R	97%	86%	93%	95%	100%	100%	100%	98%	98%	100%	90%	93%
Enterobacter spp	17	R	6%	R	76%	82%	88%	88%	100%	94%	94%	100%	94%	100%
Pseudomonas aeruginosa	21		R			81%	90%		86%	100%	100%	100%		95%

Urine Culture Specimens: % Susceptible

Specimen Type: Urine

Gram Negative Organisms	# of Isolates	Ampicillin	Amoxacillin/Clavulanic acid	Cefazolin	Ceftriaxone	Ceftazidime	Piperacillin/Tazobactam	Ertapenem	Meropenem	Gentamicin	Tobramycin	Amikacin	Nitrofurantoin	Trimethoprim/Sulfamethoxazole	Ciprofloxacin
Escherichia coli (not including ESBL)	869	58%	83%	96%	98%	98%	96%	100%	100%	92%	93%	100%	97%	80%	85%
Escherichia coli (including ESBL)	996	51%	81%	83%	85%	86%	95%	100%	100%	90%	89%	100%	95%	75%	79%
Klebsiella pneumoniae	150	R	91%	89%	91%	91%	94%	99%	99%	97%	97%	99%	29%	89%	90%
Enterobacter spp	38	R	0%	R	68%	79%	71%	89%	100%	97%	97%	100%	42%	97%	97%
Proteus mirabilis	90	82%	98%	98%	100%	98%	100%	100%	100%	93%	96%	100%	R	86%	88%
Pseudomonas aeruginosa	88		R			92%	94%		88%	98%	99%	98%			94%

Blood Culture Specimens: # Isolates

Ampicillin	Amoxacillin/Clavulanic acid	Cloxacillin	Cefazolin	High Level Gentamicin	Vancomycin
	66	77	77		77
		34	34		34
21				21	21

Ampicillin	Amoxacillin/Clavulanic acid	Cefazolin	Ceftriaxone	Ceftazidime	Piperacillin/Tazobactam	Ertapenem	Meropenem	Gentamicin	Tobramycin	Amikacin	Trimethoprim/Sulfamethoxazole	Ciprofloxacin
161	161	163	161	161	161	161	161	161	161	99	161	161
200	200	201	200	200	200	200	200	200	200	129	200	200
58	58	58	58	58	58	58	58	58	58	39	58	58
	17	17	17	17	17	17	17	17	17	12	17	17
				21	21		21	21	21	13		21

Urine Culture Specimens: # Isolates

Ampicillin	Amoxacillin/Clavulanic acid	Cefazolin	Ceftriaxone	Ceftazidime	Piperacillin/Tazobactam	Ertapenem	Meropenem	Gentamicin	Tobramycin	Amikacin	Nitrofurantoin	Trimethoprim/Sulfamethoxazole	Ciprofloxacin
869	869	867	866	866	867	869	869	869	869	539	869	869	869
996	996	994	993	993	994	995	996	996	996	623	996	996	996
150	150	150	150	150	150	150	150	150	150	99	150	150	150
	38	38	38	38	38	35	38	38	38	20	38	38	37
90	88	90	90	90	89	90	90	90	90	61	90	90	90
				88	88		88	88	88	58			88

Specimen Type	Urine										
Gram Positive Organisms	# of Isolates	Ampicillin	Amoxacillin/Clavulanic acid	Cefazolin	Cloxacillin	Trimethoprim/Sulfamethoxazole	Ciprofloxacin	Nitrofurantoin	Tetracycline	Rifampin	Vancomycin
Staphylococcus aureus	29		96%	93%	93%	100%	83%	97%	100%	100%	100%
Enterococcus species	222	87%					75%	86%	31%		100%
Enterococcus faecalis	10	100%					80%	100%	20%		100%
Enterococcus faecium	3	0%					0%	0%	67%		100%

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.

- > 90% Susceptible
- 50% - 89% Susceptible
- < 50% Susceptible
- Antibiotic not tested
- < 30 Organisms reported
- R — Intrinsic/Acquired Resistance
- C. freundii is intrinsically resistant to Amoxacillin/Clavulanic acid
- E. aerogens and E. cloacae are intrinsicaly resistant to Amoxacillin/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

Ampicillin	Amoxacillin/Clavulanic acid	Cefazolin	Cloxacillin	Trimethoprim/Sulfamethoxazole	Ciprofloxacin	Nitrofurantoin	Tetracycline	Rifampin	Vancomycin
	27	29	29	29	29	29	29	29	29
222					222	222	220		222
10					10	10	10		10
3					3	3	3		3