Toronto General Hospital ANTIBIOGRAM
Transplant Unit
January 1, 2022 - December 31, 2022

All Specimen Isolates — % Susceptible

≥80% Susceptible
70-79% Susceptible
≤69% Susceptible

	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid	Daptomycin
ALL BACTERIA	**330**	—	8	19		41	55	42		14	23							37						
ALL GRAM-NEGATIVE BACTERIA	**162**	**100**	2	23		52	96	68		10	28	53				64		40	80	81	90			
Pseudomonas aeruginosa	**47**	**29**				85	86					89				62			69	95	77			
Escherichia coli	**41**	**25**	0	39		46	100	100		7	51	51				46		29	78	62	90			
Klebsiella pneumoniae	**27**	**17**	0	54		63	100	100		31	62	62				56		46	72	54	100			
Enterobacter cloacae	**17**	**10**	0	0		0	100	88		0	0	0				94		82	100	100	94			
Klebsiella oxytoca	**7**	**4**	0	57		57	100	100		25	57	57				86		71	100	100	100			
Citrobacter freundii complex	**5**	**3**	0	0		0	100	100		0	0	0				75		100	100	100	100			
Serratia marcescens	**5**	**3**	0	0		0	100	100		0	0	0				80		100	100	100	100			
ALL GRAM-POSITIVE BACTERIA	**168**	**100**	14	14	2	30	18	18	16	18	18		30	21				34				89		
Coagulase-negative staphylococci	**72**	**43**				14	14	14	14	14			48	33	95			48				100	100	
Enterococcus faecium, all isolates	**50**	**30**	6	6		6																68		
- vancomycin-susceptible	**34**	**20**	9	9		9																100		
- vancomycin-resistant (VRE)	**16**	**10**	0	0		0																0	100	100
Staphylococcus aureus, all isolates	**23**	**14**				74	74	74	74	74			64	50	87			96				100	100	
- methicillin-susceptible	**17**	**10**				100	100	100	100	100			69	62	94			100				100	100	
- methicillin-resistant (MRSA)	**6**	**4**				0	0	0	0	0			50	17	67			83				100	100	
Enterococcus faecalis	**18**	**11**	94	94		94																100		
Staphylococcus lugdunensis	**2**	**1**				50	50	50	50	50			50	50	100			0				100	100	
Streptococcus anginosus group°°	**2**	**1**			100						100											100		
Viridans group streptococci°	**2**	**1**			50						100											100		

General Notes:

- Statistical validity of estimates of percent susceptibility for organisms for which there are fewer than 30 isolates reported is limited. Please take this into consideration when interpreting the reported results.
- Some organisms for which there were only very small numbers have been excluded from this report; however the total number of "ALL BACTERIA", "ALL GRAM-NEGATIVE BACTERIA", and "ALL GRAM-POSITIVE BACTERIA" listed includes these organisms.
- Reported susceptibilities for "ALL BACTERIA", "ALL GRAM-NEGATIVE BACTERIA", and "ALL GRAM-POSITIVE BACTERIA" reflect estimates only based on the weighted average of susceptibilities for all organisms included on this report as well as those that have been excluded, with assumptions made for those drugs for which susceptibilities were not tested.
- Susceptibility to doxycycline was predicted based on tetracycline susceptibility testing results.

Organism-Specific Notes:

° Viridans group streptococci: Please note that only a small proportion of these isolates were tested for susceptibilities. Please take this into consideration when interpreting the reported results.

°° S. anginosus group: Please note that only a small proportion of these isolates were tested for susceptibilities. Please take this into consideration when interpreting the reported results.

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Blood Isolates — % Susceptible

≥80% Susceptible
70-79% Susceptible
≤69% Susceptible

	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid	Daptomycin
ALL BACTERIA	**118**	—	6	13		30	46	42		20	24							35						
ALL GRAM-NEGATIVE BACTERIA	**36**	**100**		22		33	100	86		17	25	36				58		39	75	78	95			
Escherichia coli	**14**	**39**	0	36		36	100	100		21	43	43				21		0	50	57	86			
Enterobacter cloacae	**6**	**17**	0	0		0	100	83		0	0	0				100		83	100	100	100			
Klebsiella pneumoniae	**6**	**17**	0	50		50	100	100		50	50	50				67		50	67	67	100			
Pseudomonas aeruginosa	**4**	**11**				100	100					100				75			100	100	100			
Citrobacter freundii	**2**	**6**	0	0		0	100	100		0	0	0				50		100	100	100	100			
Klebsiella aerogenes	**2**	**6**	0	0		0	100	100		0	0	0				100		100	100	100	100			
ALL GRAM-POSITIVE BACTERIA	**82**	**100**	9	9	2	28	22	22	20	22	23		28	16				33				91		
Coagulase-negative staphylococci	**51**	**62**				14	14	14	14	14			29	14	100			29				100	100	
Enterococcus faecium, all isolates	**12**	**15**	8	8		8																58		
- vancomycin-susceptible	**7**	**9**	14	14		14																100		
- vancomycin-resistant (VRE)	**5**	**6**	0	0		0																0	100	100
Staphylococcus aureus, all isolates	**11**	**13**				82	82	82	82	82			69	50	90			100				100	100	
- methicillin-susceptible	**9**	**11**				100	100	100	100	100			62	50	88			100				100	100	
- methicillin-resistant (MRSA)	**2**	**2**				0	0	0	0	0			100	50	100			100				100	100	
Enterococcus faecalis	**4**	**5**	75	75		75																100		
Viridans group streptococci°	**2**	**2**			50						100											100		

General Notes:

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- Reported susceptibilities for "ALL BACTERIA", "ALL GRAM-NEGATIVE BACTERIA", and "ALL GRAM-POSITIVE BACTERIA" reflect estimates only based on the weighted average of
- Susceptibility to doxycycline was predicted based on tetracycline susceptibility testing results.

Year-Specific Notes:

- Only a limited number of coagulase negative staphylococci isolates were tested for susceptibilities. The vast majority of coagulase-negative staphylococci are susceptible to

Organism-Specific Notes:

° Viridans group streptococci: Please note that only a small proportion of these isolates were tested for susceptibilities. Please take this into consideration when interpreting

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Respiratory Isolates — % Susceptible

≥80% Susceptible
70-79% Susceptible
≤69% Susceptible

	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid
ALL BACTERIA	**38**	—		5	70	75	24		16	22							37					
ALL GRAM-NEGATIVE BACTERIA	**31**	**100**		6	66	72	10			7	65				58		23	56	87	55		
Pseudomonas aeruginosa	**23**	**74**			78	68					74				57			43	96	59		
Serratia marcescens	**2**	**6**	0	0	0	100	100			0	0				50		100	100	100	100		
Achromobacter xylosoxidans subsp. *xylosoxidans*	**1**	**3**			100						100				0		100	100	100			
Enterobacter cloacae	**1**	**3**	0	0	0	100	100			0	0				100		100	100	100	100		
Escherichia coli	**1**	**3**	0	0	0	100				0	0				100		0	100				
Klebsiella oxytoca	**1**	**3**	0	100	100	100				100	100				100		100	100				
Klebsiella pneumoniae	**1**	**3**	0	100	100	100				100	100				100		100	100				
Stenotrophomonas maltophilia ‘	**1**	**3**														0	100					
ALL GRAM-POSITIVE BACTERIA	**7**	**100**			86	86	86	86	86	86		57	43				100				100	
Staphylococcus aureus, all isolates	**7**	**100**			86	86	86	86	86			57	43	71			100				100	100
- methicillin-susceptible	**6**	**86**			100	100	100	100	100			67	50	83			100				100	100
- methicillin-resistant (MRSA)	**1**	**14**			0	0	0	0	0			0	0	0			100				100	100

General Notes:

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- Susceptibility to doxycycline was predicted based on tetracycline susceptibility testing results.

Organism-Specific Notes:

‘ S. maltophilia: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.

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Urine Isolates — % Susceptible

≥80% Susceptible
70-79% Susceptible
≤69% Susceptible

	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Cephalexin	Ceftriaxone	Ceftazidime	Doxycycline	Ciprofloxacin	Trimethoprim-Sulfamethoxazole	Nitrofurantoin	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid	Daptomycin
ALL BACTERIA	**110**	—	16	39		49	67	54		2		28			54	26	57						
ALL GRAM-NEGATIVE BACTERIA	**74**	**100**	1	35		50	100	81				42	53		64	39	57	81	44	77			
Escherichia coli	**30**	**41**	0	40		43	100	100				50	50		50	27	93	77	33	78			
Klebsiella pneumoniae	**20**	**27**	0	55		65	100	100				65	65		60	45	25	70	17	83			
Pseudomonas aeruginosa	**8**	**11**				100	100						100		88			88	100	88			
Enterobacter cloacae	**6**	**8**	0	0		0	100	83			0	0	0		83	67	67	100	100	83			
Klebsiella oxytoca	**4**	**5**	0	50		50	100					50	50		50	50	100	100					
ALL GRAM-POSITIVE BACTERIA	**36**	**100**	46	46		46								22	35		57				81		
Enterococcus faecium, all isolates	**19**	**53**	5	5		5								21	10		21				68	93	
- vancomycin-susceptible	**13**	**36**	8	8		8								23	15		15				100	90	
- vancomycin-resistant (VRE)	**6**	**17**	0	0		0								17	0		33				0	100	100
Enterococcus faecalis	**16**	**44**	100	100		100								25	69		100				100		
Staphylococcus aureus, all isolates	**1**	**3**				0	0	0	0	0	0			0		0	100				100	100	
- methicillin-resistant (MRSA)	**1**	**3**				0	0	0	0	0	0			0		0	100				100	100	
Enterococcus raffinosus	**1**	**3**	0	0		0								0	100		100				100	0	
Staphylococcus lugdunensis	**1**	**3**				0	0	0	0	0	0			100		100	100				100	100	

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- Reported susceptibilities for "ALL BACTERIA", "ALL GRAM-NEGATIVE BACTERIA", and "ALL GRAM-POSITIVE BACTERIA" reflect estimates only based on the weighted average
- Susceptibility to doxycycline was predicted based on tetracycline susceptibility testing results.

Prepared by University Health Network/Mount Sinai Hospital Department of Microbiology July 07, 2023