

Toronto General Hospital ANTIBIOGRAM Transplant Unit January 1, 2023 - December 31, 2023

All Non-Urine Isolates – % Susceptible

	#	%	Antibiotics																				
			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	310	—	12	25	44	50	41		16	31						30							
ALL GRAM-NEGATIVE BACTERIA	136	100	7	38	61	93	73		15	45	65				65	38	87	82	99				
<i>Escherichia coli</i>	42	31	23	66	69	100	100		25	78	78				50	44	80	65	100				
<i>Klebsiella pneumoniae</i>	28	21	0	64	64	100	100		33	71	71				64	54	89	86	100				
<i>Pseudomonas aeruginosa</i>	33	24			85	73					88				82		94	97	97				
<i>Enterobacter cloacae</i>	11	8	0	0	0	100	82		0	0	0				91	55	91	100	100				
<i>Citrobacter freundii</i>	6	4	0	0	0	100	100		0	0	0				67	33	83	67	83				
<i>Klebsiella oxytoca</i>	5	4	0	80	80	100	100		0	80	80				80	80	100	100	100				
0	174	100	15	15	31	16	16	16	16	20			19	15		24						86	
Coagulase-negative staphylococci	75	43			22	22	22	22	22				26	19	93	38						100	100
<i>Enterococcus faecium</i> , all isolates	57	33	5	5	5																	58	
- vancomycin-susceptible	34	20	9	9	9																	97	
- vancomycin-resistant (VRE)	23	13	0	0	0																	0	95
- vancomycin-susceptible (vanA+)	0	0																					
<i>Enterococcus faecalis</i> , all isolates	23	13	100	100	100																	100	
- vancomycin-susceptible	23	13	100	100	100																	100	
- vancomycin-resistant (VRE)	0	0																					
<i>Staphylococcus aureus</i> , all isolates	13	7			92	92	92	92	92				84	76	84	92						100	100
- methicillin-susceptible	12	7			100	100	100	100	100				91	82	91	91						100	100
- methicillin-resistant (MRSA)	1	1			0	0	0	0	0				0	0	0	100						100	100
Viridans group streptococci ^o	5	3								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:

- ^o 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.

Toronto General Hospital ANTIBIOGRAM Transplant Unit January 1, 2023 - December 31, 2023

Blood Isolates – % 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	102	—	10	21	39	43	41		21	35						43							
ALL GRAM-NEGATIVE BACTERIA	30	100	10	47	59	97	87		20	55	63				57	43	79	76	100				
<i>Escherichia coli</i>	12	40	25	67	67	100	100		25	83	83				50	17	58	58	100				
<i>Klebsiella pneumoniae</i>	7	23	0	57	57	100	100		43	57	57				57	57	100	86	100				
<i>Pseudomonas aeruginosa</i>	3	10			100	67					100				100		100	100	100				
<i>Enterobacter cloacae</i>	2	7	0	0	0	100	100		0	0	0				100	100	100	100	100				
<i>Klebsiella oxytoca</i>	1	3	0	100	100	100	100		0	100	100				0	100	100	100	100				
<i>Proteus mirabilis</i>	1	3	0	100	100	100	100		0	100	100				0	0	0	0	100				
<i>Stenotrophomonas maltophilia</i> [†]	1	3														100	100						
<i>Serratia marcescens</i>	2	7	0	0	0	100	100		0	0	0				50		100	100	100	100			
<i>Citrobacter freundii</i>	1	3	0	0	0	100	100		0	0	0				100		100	100	100	100			
ALL GRAM-POSITIVE BACTERIA	72	100	10	10	31	22	22	22	22	27		22	11			42						93	
Coagulase-negative staphylococci	47	65			29	29	29	29	29			29	14	86		57						100	100
<i>Enterococcus faecium</i> , all isolates	13	18	7	7	7																	62	
- vancomycin-susceptible	8	11	12	12	12																	100	
- vancomycin-resistant (VRE)	5	7	0	0	0																	0	100
- vancomycin-susceptible (vanA+)	0	0																					
<i>Enterococcus faecalis</i> , all isolates	6	8	100	100	100																	100	
- vancomycin-susceptible	6	8	100	100	100																	100	
- vancomycin-resistant (VRE)	0	0																					
<i>Staphylococcus aureus</i> , all isolates	2	3			100	100	100	100	100			50	50	50		100						100	100
- methicillin-susceptible	2	3			100	100	100	100	100			50	50	50		100						100	100
- methicillin-resistant (MRSA)	0	0																					
Viridans group streptococci [°]	4	6								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.

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 ampicillin. If you have any questions, please contact the IHN/USI Department of

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

**Toronto General Hospital ANTIBIOGRAM
Transplant Unit
January 1, 2023 - December 31, 2023**

Respiratory Isolates – % Susceptible

	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Piperacillin- Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Certazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim- Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid	
ALL BACTERIA	30	—	7	76	76	17		13	21							27							
ALL GRAM-NEGATIVE BACTERIA	25	100	8	75	75	4			8	72					72		12	91	88	83			
<i>Pseudomonas aeruginosa</i>	18	72		83	72					83					72			94	100	100			
<i>Klebsiella pneumoniae</i>	2	8	0	50	50	100		0	50	50					100		0	50					
<i>Enterobacter cloacae</i>	1	4	0	0	0	100	0	0	0	0					0		100	100	100	100			
<i>Klebsiella oxytoca</i>	1	4	0	100	100	100				100	100				100		100	100					
<i>Stenotrophomonas maltophilia</i> ¹	1	4														0	0						
<i>Serratia marcescens</i>	1	4	0	0	0	100	100	0	0	0					100		100	100	100	100			
<i>Pseudomonas putida</i>	1	4		100		0				100					100		0	100	100				
ALL GRAM-POSITIVE BACTERIA	5	100		80	80	80	80	80	80		60	60					100					100	
<i>Staphylococcus aureus</i> , all isolates	5	100		80	80	80	80	80			60	60	60				100					100	100
- methicillin-susceptible	4	80		100	100	100	100	100			75	75	75				100					100	100
- methicillin-resistant (MRSA)	1	20		0	0	0	0	0			0	0	0				100					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.

Year-Specific Notes:

Organism-Specific Notes:

¹ *S. maltophilia*: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.

Toronto General Hospital ANTIBIOGRAM Transplant Unit January 1, 2023 - December 31, 2023

Urine Isolates – % Susceptible

	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Cephalexin	Ceftriaxone	Ceftazidime	Doxycycline	Ciprofloxacin	Trimethoprim-Sulfamethoxazole	Nitrofurantoin	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid	
ALL BACTERIA	126	–	17	42	53	60	52		4	1	36		25	51	25	50						
ALL GRAM-NEGATIVE BACTERIA	78	100	5	47	63	96	82		5		57	69	24	65	40	58	88	68	95			
<i>Escherichia coli</i>	30	38	14	66	70	100	100		0		83	83	0	50	48	97	90	50	100			
<i>Klebsiella pneumoniae</i>	19	24	0	72	74	100	100		20		78	78	100	68	56	28	84	67	100			
<i>Pseudomonas aeruginosa</i>	10	13			90	70						90		100			100	100	100			
<i>Enterobacter cloacae</i>	7	9	0	0	0	100	86		0	0	0	0		100	29	43	86	100	100			
<i>Klebsiella oxytoca</i>	3	4	0	67	67	100			0		67	67		67	67	100	100					
<i>Proteus mirabilis</i>	3	4	0	33	100	100	100		0		100	100		33	0	0	33	100	100			
<i>Morganella morganii</i>	1	1	0	0	0	100	100		0	0	0	0		0	0	0	100	100	100			
<i>Citrobacter freundii</i>	4	5	0	0	0	100	100		0	0	0	0		50	25	100	100	75	75			
<i>Citrobacter braakii</i>	1	1	0	0	0	100	100		0	0	0	0		100	100	100	100	100	100			
ALL GRAM-POSITIVE BACTERIA	48	100	35	35	38	2	2	2	2	2	2			25	29	2	38				77	
<i>Enterococcus faecium</i> , all isolates	30	63	3	3	3									27	3		0			63	97	
- vancomycin-susceptible	20	42	5	5	5									25	5		0			95	100	
- vancomycin-resistant (VRE)	10	21	0	0	0									30	0		0			0	90	
- vancomycin-susceptible (vanA+)	0	0																				
<i>Enterococcus faecalis</i> , all isolates	16	33	100	100	100									12	81		100				100	
- vancomycin-susceptible	16	33	100	100	100									12	81		100				100	
- vancomycin-resistant (VRE)	0	0																				
Coagulase-negative staphylococci	1	2			0	0	0	0	0					100			100				100	100
<i>Staphylococcus aureus</i> , all isolates	1	2			100	100	100	100	100	100				100		100	100				100	100
- methicillin-susceptible	1	2			100	100	100	100	100	100				100		100	100				100	100
- methicillin-resistant (MRSA)	0	0																				

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.