All Specimen Isolates - % Susceptible

≥80% Susceptible 70-79% Susceptible ≤69% Susceptible	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Penicillin IV (meningitis)	Penicillin IV (non-meningitis)	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftriaxone (meningitis)	Ceftriaxone (non-meningitis)	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim- Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid	Daptomycin
ALL BACTERIA	1853	_	14	30				62	64	59		37	54									63						
	1033	_	14	30				02	04	00		57	34									03						<u> </u>
ALL GRAM-NEGATIVE BACTERIA	680	100	9	55				74	99	80		24	63			78				76		67	92	81	96			
Escherichia coli	300	44	15	73				81	100	100		29	84			84				66		71	90	70	92			
Klebsiella pneumoniae	105	15	0	91				89	100	100		64	93			93				86		84	93	87	100			
Pseudomonas aeruginosa	96	14						92	92							95				90			96	99	98			
Enterobacter cloacae	45	7	0	0				0	98	98		0	2			2				84		87	95	91	100			
Proteus mirabilis	31	5	20	94				100	100	100		0	100			100				87		77	87	60	100			
Klebsiella oxytoca	25	4	0	78				83	100	100		33	87			87				92		84	100	100	100			
Stenotrophomonas maltophilia '	21	3																			90	100						
Citrobacter freundii complex	13	2	0	0				0	100	100		0	0			0				92		92	92	100	100			
Haemophilus influenzae^^	9	1	89																									
Serratia marcescens	8	1	0	0				0	100	100		0	0			0				100		100	100	100	100			
Citrobacter koseri	8	1	0	0				0	100	100		0	0			0				100		100	100	100	100			
Klebsiella aerogenes	7	1	0	0				0	86	71		0	0			0				86		100	100	100	100			
Morganella morganii	4	1	0	0				0	100	100		0	0			0				100		100	100	100	100			
Moraxella catarrhalis^	3	0																										
Providencia rettgeri	3	0	0	0				0	100	100		0	0			0				100		100	100	100	100			
Haemophilus parainfluenzae^^	2	0	100																									
															-									-				_
ALL GRAM-POSITIVE BACTERIA	1173	100	16	16	6			56	45	_	39	44	48				52	41				60				96		14
Coagulase-negative staphylococci	618	53						42	42	42	42	42					60	42	94			67				100	100	
Staphylococcus aureus, all isolates	231	20						89	89	89	89	88					82	77	96			98				100	100	
- methicillin-susceptible	205	17						100		100	100	99					84	82	97			99				100	100	
- methicillin-resistant (MRSA)	26	2						0	0	0	0	0		-			65	42	88			92				100	100	<u> </u>
Enterococcus faecalis	126	11	99	99				99																		100		<u> </u>
Viridans group streptococci°	84	7			50								98													100		└──
Enterococcus faecium, all isolates	79	7	4	4				4		-				-												65		└──
- vancomycin-susceptible	51	4	6	6				6																		100		
- vancomycin-resistant (VRE)	28	2	0	0				0																		0	100	100
Staphylococcus lugdunensis	21	2	-					90	90	90	90	90					100	95	100			95				100	100	-
Streptococcus anginosus group ^{°°}	19	2	-		85								100					-								100		-
Group B streptococci**	11	1	-		100	100	100								100		70	70			100					100		<u> </u>
Streptococcus pneumoniae General Notes:	7	1	1			100	100							50	100		80	71			100					100		

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

Organism-Specific Notes:

^ M. catarrhalis: Susceptibility testing is not routinely performed. Most isolates are resistant to ampicillin and amoxicillin but are generally susceptible to other antibiotics commonly used for respiratory infections.

^^ H. influenzae and H. parainfluenzae: Susceptibility to ampicillin was determined using beta-lactamase testing. Beta-lactamase-positive isolates are resistant to ampicillin but are generally susceptible to amoxicillin-clavulanic acid and cefuroxime.

** Beta-hemolytic streptococci: Susceptibility testing to penicillin is not routinely performed since resistant strains have not been recognized. All isolates are considered susceptible to penicillin.

* 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.

** 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.

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	ntamicin	Tobramycin	Amikacin	Vancomycin	Linezolid	Daptomycin
ALL BACTERIA	558	_	17	26		47	53	49		36	49							57						

ALL GRAM-NEGATIVE BACTERIA	164	100	17	47	66	96	79	36	58	64		62		67	91	88	96		
Escherichia coli	72	44	36	71	80	99	99	55	84	84		41		61	86	81	91		
Klebsiella pneumoniae	23	14	0	82	78	100	100	73	82	82		82		77	86	91	100		
Enterobacter cloacae	20	12	0	0	0	95	95	0	0	0		85		85	95	90	100		
Pseudomonas aeruginosa	17	10			100	76				100		94			100	100	100		
Stenotrophomonas maltophilia '	12	7											82	100					
Klebsiella aerogenes	5	3	0	0	0	80	60	0	0	0		100		100	100	100	100		
Klebsiella oxytoca	5	3	0	75	75	100	100	40	100	100		100		100	100	100	100		
Serratia marcescens	5	3	0	0	0	100	100	0	0	0		100		100	100	100	100		

ALL GRAM-POSITIVE BACTERIA	394	100	18	18	14	40	37	37	23	37	46	44	37			52		97		
Coagulase-negative staphylococci	219	56				29	29	29	29	29		47	38	91		58		100	100	
Viridans group streptococci °	78	20			53						99							100		
Enterococcus faecium, all isolates	37	9	0	0		0												86		
- vancomycin-susceptible	32	8	0	0		0												100		
- vancomycin-resistant (VRE)	5	1	0	0		0												0	100	100
Staphylococcus aureus, all isolates	31	8				87	87	87	87	87		87	83	97		97		100	100	
- methicillin-susceptible	27	7				100	100	100	100	100		85	81	100		96		100	100	
- methicillin-resistant (MRSA)	4	1				0	0	0	0	0		100	100	75		100		100	100	
Enterococcus faecalis	11	3	100	100		100												100		
Streptococcus anginosus group°°	7	2			100						100							100		

General Notes:

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> 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 vancomycin. If you have any questions, please contact the UHN/MSH Department of Microbiology.

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.

⁶ S. maltophilia: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing 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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Respiratory Isolates - % Susceptible

≥80% Susceptible 70-79% Susceptible ≤69% Susceptible	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin IV (meningitis)	Penicillin IV (non-meningitis)	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftriaxone (meningitis)	Ceftriaxone (non-meningitis)	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim- Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid
ALL BACTERIA	75	_	15	19			86	86	35		27	54									59	_				_
	75	_		17		L	00	00	-55	<u> </u>	-27	- 74		I	I	I				I	- 37	<u> </u>				<u> </u>
ALL GRAM-NEGATIVE BACTERIA	49	100	22	29			82	91	12			40			78				70		38	85	75	66		<u> </u>
Pseudomonas aeruginosa	22	45					82	82							91				82			82	95	82		
Haemophilus influenzae^^	9	18	89																							
Stenotrophomonas maltophilia	5	10																		100	100					
Klebsiella pneumoniae	3	6	0	67			67	100	100			67			67				67		100	100				
, Moraxella catarrhalis^	3	6																								
Proteus mirabilis	2	4	100	100			100	100				100			100				100		50	100				
Escherichia coli	1	2	100	100			100	100				100			100				100		100	100				
Enterobacter cloacae	1	2	0	0			0	100	100			0			0				100		100	100	100	100		
Serratia marcescens	1	2	0	0			0	100	100			0			0				100		100	100	100	100		
Citrobacter koseri	1	2	0	0			0	100	100			0			0				100		100	100	100	100		
Burkholderia cepacia	1	2						100							100						100					
ALL GRAM-POSITIVE BACTERIA	26	100					92	77	77	77	77	77				69	66				95	_			100	
Staphylococcus aureus, all isolates	19	73				Ì	95	95	95	95	95					73	69	100			100				100	100
- methicillin-susceptible	18	69					100	100	100	100	100					72	67	100			100				100	100
- methicillin-resistant (MRSA)	1	4					0	0	0	0	0					100	100	100			100				100	100
Streptococcus pneumoniae	4	15			100	100							0	100		75	75			100					100	
Coagulase-negative staphylococci	2	8					100	100	100	100	100					50	50	100			100				100	100
Enterococcus faecium	1	4	0	0			0																		100	

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 $^{\circ}\,$ S. maltophilia: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.

Prepared by University Health Network/Mount Sinai Hospital Department of Microbiology

July 07, 2023

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	579	_	22	65		76	74	69		15	4	56			71	55	72						
ALL GRAM-NEGATIVE BACTERIA	404	100	4	67		77	99	93				74	79		76	73	68	92	56	92			
Escherichia coli	226	56	7	74		82	100	100				85	85		70	74	98	91	48	95			
Klebsiella pneumoniae	72	18	0	92		89	100	100				92	92		82	83	28	93	57	100			
Proteus mirabilis	23	6	0	87		96	100	100				96	96		83	70	0	83	67	100			
Pseudomonas aeruginosa	23	6				87	95						95		83			90	100	100			
Enterobacter cloacae	18	4	0	0		0	100	100			0	0	0		78	78	39	94	89	100			
Klebsiella oxytoca	17	4	0	88		88	100	100				88	88		94	82	88	100					
Citrobacter koseri	6	1	0	0		0	100	100			0	0	0		100	100	83	100	100	100			
ALL GRAM-POSITIVE BACTERIA		100	10	(0)		-				45	45				50	4.5	00						
	175	100	62	62	1	76	15	15	14	15	15	15		41	58	15	82				89		<u> </u>
Enterococcus faecalis	107	61	99	99		99								36	94		100				100		
Enterococcus faecium, all isolates	39	22	5	5		5								18	3		21				51	96	<u> </u>
- vancomycin-susceptible	20	11	10	10		10								35	5		25				100	92	400
- vancomycin-resistant (VRE)	19	11	0	0		0 89	89	89	00	00	00			0	0	96	16				0	100	100
Staphylococcus aureus, all isolates	27	15							89	89	89			96		96 96	100				100	100	\vdash
- methicillin-susceptible - methicillin-resistant (MRSA)	24	14 2				100 0	100 0	100 0	100 0	100 0	100 0			96 100		96 100	100 100				100 100	100 100	
Group A streptococci**	<u> </u>	 1			100	0		0	0	0	0			100		100	100				100	100	<u> </u>
Group B streptococci**	1	1	-		100																100		⊢−−∣
Staphylococcus lugdunensis	1	1			100	100	100	100	100	100	100			100		100	100				100	100	\vdash
stupinytococcus tuguanensis	1		I			100	100	100	100	100	100			100		100	100				100	100	

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

Organism-Specific Notes:

** Beta-hemolytic streptococci: Susceptibility testing to penicillin is not routinely performed since resistant strains have not been recognized. All isolates are considered susceptible to penicillin.

All Non-Urine Isolates - % Susceptible

≥80% Susceptible 70-79% Susceptible ≤69% Susceptible	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Penicillin IV (meningitis)	Penicillin IV (non-meningitis)	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftriaxone (meningitis)	Ceftriaxone (non-meningitis)	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim- Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid	Daptomycin
ALL BACTERIA	1165	_	11	17				58	61	53		44	53									65						
																								<u> </u>				
ALL GRAM-NEGATIVE BACTERIA	275	100	10	37				70	97	61		21	46			75				73		56	94	93	96			
Pseudomonas aeruginosa	74	27						93	92							95				92			97	99	97			
Escherichia coli	69	25	24	69				76	100	100		46	79			79				46		56	85	81	90			
Klebsiella pneumoniae	34	12	0	88				85	100			73	94			94				85		79	94	96	100			
Enterobacter cloacae	30	11	0	0				0	97	97		0	3			3				86		87	97	93	100			
Stenotrophomonas maltophilia '	18	7																			89	100						
Proteus mirabilis	10	4	33	100				100	100	100		0	100			100				100		90	100	100	100			
Klebsiella oxytoca	8	3	0	57				71	100	100		29	86			86				88		100	100	100	100			
Serratia marcescens	8	3	0	0				0	100	100		0	0			0				100		100	100	100	100			
Haemophilus influenzae^^	7	3	86																									
ALL GRAM-POSITIVE BACTERIA	890	100	11	11	8			54	51	51	43	51	55				60	48				68	_	_	_	96	_	—
Coagulase-negative staphylococci	485	54						42	42	42	42	42	55				60	42	94			67	-	<u> </u>	<u> </u>	100	100	
Staphylococcus aureus, all isolates	213	24						88	88	88	88	88					83	∠ 79	96			98				100	100	
- methicillin-susceptible	189	24						99	99	99	99	99					85	83	90 97			99				100	100	
- methicillin-resistant (MRSA)	24	3						0	0	0	0	0					71	46	88			92	-			100	100	
Viridans group streptococci°	84	9			50								98				/ 1	Ŧ	00			12				100	100	
Enterococcus faecium, all isolates	43	5	3	3				3																		67		
- vancomycin-susceptible	29	3	4	4				4																		100		
- vancomycin-resistant (VRE)	14	2	0	0				0																		0	100	
Enterococcus faecalis	24	3		100				100															\vdash			100		
Staphylococcus lugdunensis	20	2						90	90	90	90	90					100	95	100			95				100	100	
Streptococcus anginosus group ^{°°}	19	2			85								100													100		
Group B streptococci**	10	1			100												78	78								100		
Streptococcus pneumoniae	7	1				100	100							50	100		80	71			100					100		
General Notes:																											·	

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

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