Blood Isolates - % Susceptible

Blood 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
ALL BACTERIA	1376	_	11	22				53	57	54		41	52									70					
																										_	_
ALL GRAM-NEGATIVE BACTERIA	391	100	16	56				70	98	87		40	65			71				67		65	92	90	97		
Escherichia coli	170	43	36	66				73	99	99		51	78			78				56		60	89	86	98		
Klebsiella pneumoniae	93	24	0	77				77	100	99		67	82			82				72		76	93	90	99		
Pseudomonas aeruginosa	30	8						90	90							90				87			90	97	93		
Enterobacter cloacae	22	6	0	0				0	100	95		0	0			0				95		86	95	95	100		
Klebsiella oxytoca	19	5	0	100				100	100	100		39	100			100				89		89	100	100	100		
Proteus mirabilis	18	5	6	94				100	100	100		6	100			100				72		67	89	94	100		
Stenotrophomonas maltophilia ʻ	13	3																			85	92					
Serratia marcescens	11	3	0	0				0	100	100		0	0			0				82		100	100	100	91		
Pantoea agglomerans	5	1	0	0				0	100	100		0	0			0				100		100	100	100	100		
Citrobacter freundii	4	1	0	0				0	100	100		0	0			0				100		100	100	100	100		
Morganella morganii	3	1	0	0				0	100	100		0	0			0				100		67	100	100	67		
Pseudomonas putida	3	1						100		0						100				100		0	100	100		ш	
ALL GRAM-POSITIVE BACTERIA	985	100	9	9	4			47	41	41	38	41	47				57	35				73				99	
Coagulase-negative staphylococci	684	69						39	39	39	39	39					62	31	86			78				100	99
Staphylococcus aureus, all isolates	117	12						90	90	90	90	89					78	71	93			100				100	100
- methicillin-susceptible	106	11						99	99	99	99	98					81	77	95			100				100	100
- methicillin-resistant (MRSA)	11	1						0	0	0	0	0					45	18	73			100				100	100
Enterococcus faecium, all isolates	47	5	13	13				13																		74	
- vancomycin-susceptible	35	4	18	18				18																		100	
- vancomycin-resistant (VRE)	12	1	0	0				0																		0	100
- vancomycin-susceptible (vanA+)	0	0																									
Enterococcus faecalis, all isolates	46	5	100	100				100																		100	
- vancomycin-susceptible	46	5	100	100				100																		100	
- vancomycin-resistant (VRE)	0	0																									
Viridans group streptococci°	41	4											98													100	L
Group A streptococci**	16	2			100												94	85								100	
Streptococcus pneumoniae	14	1												93	100			85			100					100	
Group C streptococci**	9	1			100												22	22								100	
Group B streptococci**	6	1			100												83	83								100	
Group G streptococci**	5	1			100												50	50								100	

General Notes:

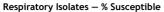
- > Statistical validity of estimates of percent susceptibility for organisms for which there are fewer than 30 isolates reported is limited. Please take this into consideration when interpreting the reported results.
- > Some organisms for which there were only very small numbers have been excluded from this report; however the total number of "ALL BACTERIA", "ALL GRAM-NEGATIVE BACTERIA", and "ALL GRAM-POSITIVE BACTERIA" isted 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.
- \succ Susceptibility to doxycycline was predicted based on tetracycline susceptibility testing results.

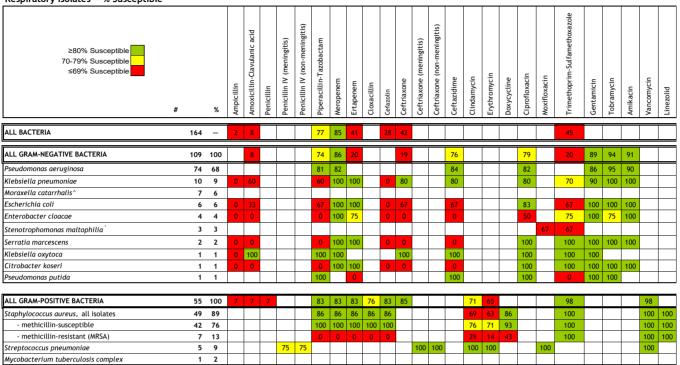
Year-Specific Notes:

> 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:

- ** Beta-hemolytic streptococci: Susceptibilty 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.
- $\lq~S.~maltophilia:~Susceptibility~to~moxifloxacin~was~predicted~based~on~levofloxacin~susceptibility~testing~results.$





General Notes:

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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.
- $\hbox{` S. maltophilia: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.}\\$

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

December 24, 2024

All Urine Isolates — % Susceptible

All 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
ALL BACTERIA	1309	_	21	58		71	72	62		7	2	47		28	67	49	67					
ALL GRAM-NEGATIVE BACTERIA	928	100	3	гг		69	00	85		6		64	73	26	/0	//	64	04	FF	93		
	-		_	55			98								68	66		91	55		Щ	_
Escherichia coli	470	51	5	66		74	100	98		9	0	78	78	25	57	69	97	89	39	95	 	$\vdash \vdash \vdash$
Klebsiella pneumoniae	177	19	0	78		80	98	86		6	0	84	84	67	70	73	29	93	48	83		
Pseudomonas aeruginosa	88	9				86	87	07		_	^	_	92		84	00		89	95	94		
Enterobacter cloacae	52	6 5	0	0		2	100	96		0	0	0	0		96	80	51	94	100	100		-
Proteus mirabilis	49 32	3	0	83		94	100	83 100		12		96 77	96 77		78 91	80 88	90	86 94	67	100		
Klebsiella oxytoca				77		77					_								50		-	
Citrobacter koseri	18	2	0	0		0	100	100		0	0	0	0		100	94	94	100	100	100	-	-
Citrobacter freundii	11	1	0	0		0	100	100		0	0	0	0		82	64 70	100	100 90	91	91		-
Morganella morganii Serratia marcescens	10	1	0	0		0	100	100		0	0		0		60 100	100	10	100	80	100	-	
,	4	0	U	U		U	100	100		U	U	0	U		100	100	0	100	100	100		
Stenotrophomonas maltophilia Pseudomonas putida	3	0				100		0			0		100		100	0	0	100	100			
Citrobacter braakii	2	0	0	0		0	100	100		0	0	0	0		50	100	100	100	100	100		
Acinetobacter baumannii complex	1	0	U	U		100	100	100		U	0	0	100		100	100	0	100	100	100		
Providencia rettgeri	1	0	0	0		0	100	100		0	0	0	0		0	100	0	100	100	100		
Citrobacter amalonaticus	1	0	0	0		0	100	100		0	0	0	0		100	100	0	100	100	100		
Ortroductor amatomatical			Ŭ			- U	.00	.00		- U		Ŭ			.00	.00	Ü	.00	.00	.00		
ALL GRAM-POSITIVE BACTERIA	381	100	65	65		73	8	8	8	8	8	8		35	65	9	74				91	99
Enterococcus faecalis, all isolates	239	63	99	99		100								32	87		99				100	100
- vancomycin-susceptible	239	63	99	99		100								32	87		99				100	100
- vancomycin-resistant (VRE)	0	0																				
Enterococcus faecium, all isolates	106	28	10	10		10								24	8		7				69	98
- vancomycin-susceptible	74	19	14	14		14								27	12		8				99	98
- vancomycin-resistant (VRE)	32	8	0	0		0								16	0		6				0	97
- vancomycin-susceptible (vanA+)	0	0																				
Staphylococcus aureus, all isolates	33	9				91	91	91	91	91	91			91	91	97	100				100	100
- methicillin-susceptible	30	8				100	100	100	100	100	100			97	100	100	100				100	100
- methicillin-resistant (MRSA)	3	1				0	0	0	0	0	0			33		67	100				100	100
Coagulase-negative staphylococci	3	1				0	0	0	0	0				100		100	100				100	100

General Notes:

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- ${\color{red}\succ} \ {\color{blue} Susceptibility} \ to \ doxycycline \ was \ predicted \ based \ on \ tetracycline \ susceptibility \ testing \ results.$

Organism-Specific Notes:

 $\hbox{` S. maltophilia: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.}$

All Specimens - % Susceptible

All Specimens — % 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	pilozoni
ALL BACTERIA	2776	_	20	41				67	71	61		31	51									56			\equiv	_	F
7.22 57.61 2.107.	2770		20					0,	<u> </u>	01		31	J1									30				_	<u> </u>
ALL GRAM-NEGATIVE BACTERIA	1545	100	11	48				69	97	80		26	57			72				71		62	91	85	97		
Escherichia coli	625	40	25	65				74	100	99		35	78			78				57		67	89	75	98		П
Klebsiella pneumoniae	278	18	0	79				81	99	96		57	85			85				74		76	93	85	96		
Pseudomonas aeruginosa	254	16						86	88							89				86			90	96	94		
Enterobacter cloacae	105	7	0	0				2	100	96		0	2			2				92		86	96	96	100		
Proteus mirabilis	78	5	10	86				94	100	96		7	95			95				78		79	90	85	100		
Klebsiella oxytoca	62	4	0	86				87	100	100		30	88			88				93		91	97	93	100		
Serratia marcescens	35	2	0	0				0	100	100		0	0			0				91		100	100	100	97		
Stenotrophomonas maltophilia ʻ	23	1																			82	91					
Citrobacter koseri	23	1	0	0				0	100	100		0	0			0				100		96	100	100	100		
Citrobacter freundii	21	1	0	0				0	100	100		0	0			0				86		75	95	90	95		
Morganella morganii	19	1	0	0				0	100	100		0	0			0				74		74	95	84	95		
Citrobacter braakii	8	1	0	0				0	100	100		0	0			0				75		88	100	88	100		
Moraxella catarrhalis^	7	0																									
Pseudomonas putida	7	0						100		0						100				100		0	100	100			
ALL GRAM-POSITIVE BACTERIA	1231	100	31	31	4			65	38	38	34	38	44				41	33				48				95	
Staphylococcus aureus, all isolates	366	30						88	88	88	88	87					77	67	94			99				100	10
- methicillin-susceptible	325	26						99	99	99	99	98					79	71	96			100				100	10
- methicillin-resistant (MRSA)	41	3						2	2	2	2	2					61	37	78			93				100	10
Enterococcus faecalis, all isolates	313	25	99	99				100																		100	Г
Coagulase-negative staphylococci	239	19						38	38	38	38	38					59	36	90			71				100	10
Enterococcus faecium, all isolates	185	15	11	11				11																		69	Г
- vancomycin-susceptible	129	10	16	16				16																		99	
- vancomycin-resistant (VRE)	56	5	0	0				0																		0	98
- vancomycin-susceptible (vanA+)	0	0																									
Viridans group streptococci°	64	5											98													100	
Streptococcus pneumoniae	23	2				60	60							95	100		100	86			100					100	
Group A streptococci**	21	2			100												90	86								100	
Group C streptococci**	11	1			100												27	27								100	
Group B streptococci**	9	1			100		1		1					1			88	88						1		100	1

General Notes:

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

Year-Specific Notes:

➤ All specimens exclude surveillance samples.

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.
- ** Beta-hemolytic streptococci: Susceptibilty 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.
- $\hbox{`S. maltophilia: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.}\\$