Blood Isolates - % Susceptible

# Ampiculin Amoxicultin-Clavulanic acid Amoxicultin-Clavulanic acid Amoxicultin V (non-meningitis) Penicultin IV (non-meningitis) Certzacone Coracultin Coraculti	Amikacin Vancomycin Linezolid
ALL BACTERIA 885 - 13 22 63 65 63 54 64 81 81	
	98
Escherichia coli 116 58 53 75 78 100 100 63 82 82 67 73 85 86	97
	100
	100
Enterobacter cloacae 8 4 0 0 0 0 100 100 0 0 88 88 88 88 88 88	100
Proteus mirabilis 7 4 0 100 100 100 0 100 100 100 86 100 100	100
Klebsiella oxytoca 5 3 0 100 100 100 100 100 0 100 100 100 1	100
Serratia marcescens 3 2 0 0 0 0 100 100 0 0 0 100 100 100 100	100
Providencia stuartii 3 2 0 0 0 0 100 100 0 0 0 67 100 100 100 100 100 100 100 100 100 10	100
Morganella morganii 2 1 0 0 0 0 100 100 0 0 0 100 100 100 1	100
Citrobacter freundii 2 1 0 0 0 0 100 100 0 0 100 100 100 100	100
Moraxella catarrhalis^ 2 1	
Citrobacter braakii 2 1 0 0 0 100 100 0 0 0 100 100 100 100	100
ALL GRAM-POSITIVE BACTERIA 685 100 8 8 4 59 55 55 51 55 62 74 51 83	100
Coagulase-negative staphylococci 497 73 58 58 58 58 58 8 82 50 92 88	100 10
Staphylococus aureus, all isolates 70 10 87 87 87 87 87 87 89 95 100	100 10
- methicillin-susceptible 61 9 100 100 100 100 100 85 78 97 100	100 10
- methicillin-resistant (MRSA) 9 1 0 0 0 0 0 100 78 78 100	100 10
Viridans group streptococci* 32 5 100	100
Enterococcus faecalis, all isolates 32 5 97 97 94	100
Streptococcus pneumoniae 20 3 95 100 71 100	100
Enterococcus faecium, all isolates 9 1 11 11 11 11	100
Group A streptococci** 14 2 100 93 71	100
Group G streptococci** 7 1 100 57 57	100
Group B streptococci** 4 1 100 25 0	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
- > 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.
- ${\color{red}\succ} \ {\color{blue} Susceptibility} \ {\color{blue} to} \ {\color{blue} doxycycline} \ {\color{blue} was} \ {\color{blue} predicted} \ {\color{blue} based} \ {\color{blue} on} \ {\color{blue} tetracycline} \ {\color{blue} susceptibility} \ {\color{blue} testing} \ {\color{blue} results}.$

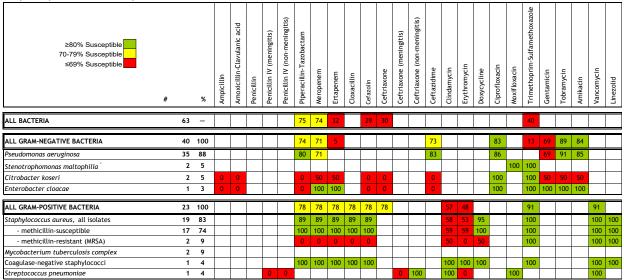
Year-Specific Notes:

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:

- ^ 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
- ** 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.

$Respiratory\ Isolates-\%\ Susceptible$



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:

' 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	1154	_	24	64		77	76	64		6	2	52		24	76	56	69					
ALL GRAM-NEGATIVE BACTERIA	862	100	6	60		75	99	84		6		68	77	21	75	72	64	93	50	92		
Escherichia coli	467	54	9	70		78	100	96		5	0	81	81	11	64	74	96	91	35	92		
Klebsiella pneumoniae	132	15	0	85		86	100	100		12		89	89	100	84	88	30	97	60	100		
Pseudomonas aeruginosa	87	10				95	94						97		94			97	99	98		
Proteus mirabilis	56	6	20	95		98	100	100		25		98	98		89	82	0	89	25	100		
Klebsiella oxytoca	31	4	0	87		97	100					100	100		97	97	87	100				
Enterobacter cloacae	27	3	0	0		0	100	89		0	0	0	0		93	85	48	100	100	100		
Morganella morganii	23	3	0	0		0	100	100		0	0	0	0		74	83	4	91	100	100		
Citrobacter koseri	16	2	0	0		6	100	100		0	0	0	0	0	100	100	81	100	100	100		
Serratia marcescens	6	1	0	0		0	100	100		0	0	0	0		100	100	0	100	100	100		
Providencia stuartii	6	1	0	0		0	100	100		0	0	0	0		67	100	0	100	100	100		
Providencia rettgeri	4	0	0	0		0	100	100		0	0	0	0		100	100	25	100	100	100		
Citrobacter freundii	3	0	0	0		0	100	100		0	0	0	0		67	100	100	100	100	100		
Citrobacter amalonaticus	2	0	0	0		0	100	100		0	0	0	0		100	100	50	100	100	100		
Stenotrophomonas maltophilia '	1	0														100	0					
Citrobacter braakii	1	0	0	0		0	100	100		0	0	0	0		100	100	100	100	100	100		
ALL GRAM-POSITIVE BACTERIA	292	100	76	76		83	7	7	7	7	7	7		31	76	9	83				96	100
Enterococcus faecalis, all isolates	215	74	100	100		100								28	91		99				100	100
Enterococcus faecium, all isolates	49	17	10	10		10								12	10		8				78	100
- vancomycin-susceptible	38	13	13	13		13								16	13		8				100	100
- vancomycin-resistant (VRE)	11	4	0	0		0								0	0		9				0	100
Staphylococcus aureus, all isolates	26	9				77	77	77	77	73	73			84	77	100	96				100	100
- methicillin-susceptible	20	7				100	100	100	100	95	95			84	100	100	95				100	100
- methicillin-resistant (MRSA)	6	2				0	0	0	0	0	0			83		100	100				100	100
Enterococcus species	1	0	100	100		100								0	100		0				100	
Enterococcus casseliflavus	1	0	100	100		100								100	100		100		<u></u>		100	<u></u>

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.

≥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	2047	_	24	46				73	74	65		35	56									63					
																											=
ALL GRAM-NEGATIVE BACTERIA	1151	100	17	55				74	99	83		30	62			76				76		68	93	85	97		
Escherichia coli	560	49	32	70				78	100	99		39	81			81				64		74	91	75	96		
Pseudomonas aeruginosa	175	15						92	92							94				90			92	97	96		
Klebsiella pneumoniae	161	14	0	88				88	100	100		70	91			91				84		87	97	91	100		
Proteus mirabilis	70	6	18	96				99	100	100		25	99			99				89		84	91	81	100		
Enterobacter cloacae	62	5	0	0				0	100	92		0	0			0				89		87	97	95	100		
Klebsiella oxytoca	38	3	0	89				97	100	100		0	100			100				97		97	100	100	100		
Morganella morganii	27	2	0	0				0	100	100		0	0			0				78		89	93	100	100		
Citrobacter koseri	22	2	0	0				5	95	95		0	0			0				100		100	95	95	95		
Serratia marcescens	18	2	0	0				0	100	100		0	0			0				94		100	100	100	100		
Citrobacter freundii	7	1	0	0				0	100	100		0	0			0				86		100	100	100	100		
Providencia stuartii	7	1	0	0				0	100			0	0			0				57		100	100	100	100		
Moraxella catarrhalis^	4	0																									
																											_
ALL GRAM-POSITIVE BACTERIA	896	100	34	34	4			72	42	42	38	42	49				50	39				56				99	Ì
Staphylococcus aureus, all isolates	299	33						86	86	86	86	85					81	70	95			100				100	100
- methicillin-susceptible	258	29						99	99	99	99	98					81	72	96			100				100	100
- methicillin-resistant (MRSA)	41	5						5	5	5	5	5					82	54	87			97				100	100
Enterococcus faecalis, all isolates	261	29	99	99				99																		100	
Coagulase-negative staphylococci	171	19						49	49	49	49	49					76	48	89			85				100	100
Enterococcus faecium, all isolates	60	7	10	10				10																		82	
- vancomycin-susceptible	49	5	12	12				12																		100	
- vancomycin-resistant (VRE)	11	1	0	0				0																		0	100
Viridans group streptococci °	42	5											100													100	
Streptococcus pneumoniae	24	3				0	0							92	100		100	71			100					100	
Group A streptococci**	18	2			100												94	71								100	
Group B streptococci**	12	1			100												55	27								100	
Group G streptococci**	9	1			100												44	44								100	

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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.
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