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	Мегорепет	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftriaxone (meningitis)	Ceftriaxone (non-meningitis)	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid
ALL BACTERIA	255	_	26	43				73	75	75		64	75									77					
			=																								=
ALL GRAM-NEGATIVE BACTERIA	100	100	37	81				86	100	98		70	86			87				79		83	94	95	100		
Escherichia coli	67	67	48	84				88	100	100		72	91			91				70		79	94	94	100		
Klebsiella pneumoniae	17	17	0	88				88	100	100		88	88			88				94		88	88	94	100		
Proteus mirabilis	7	7	71	100				100	100	100		100	100			100				100		100	100	100	100		
Klebsiella oxytoca	4	4	0	75				75	100	100		0	75			75				100		100	100	100	100		
Enterobacter aerogenes	2	2	0	0				0	100	100		0	0			0				100		100	100	100	100		
ALL GRAM-POSITIVE BACTERIA	155	100	18	18	14			64	60	60	46	60	67				68	40				72				99	
Coagulase-negative staphylococci	81	52						56	56	56	56	56					67	22	89			67				100	100
Staphyloccocus aureus, all isolates	33	21						79	79	79	79	79					72	60	94			100				100	100
- methicillin-susceptible	26	17						100	100	100	100	100					65	65	96			100				100	100
- methicillin-resistant (MRSA)	7	5						0	0	0	0	0					100	43	86			100				100	100
Viridans group streptococci°	13	8											92													100	
Enterococcus faecalis, all isolates	6	4	100	100				100																		100	
- vancomycin-susceptible	6	4	100	100				100																		100	
- vancomycin-resistant (VRE)	0	0																									
Group B streptococci**	5	3			100												80	80								100	
Group G streptococci**	5	3			100												100	100								100	
Streptococcus pneumoniae	5	3				100	100							100	100		100	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:

> 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.

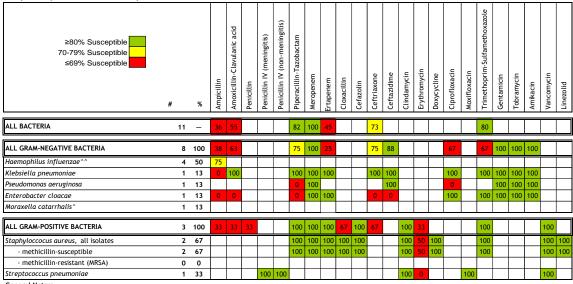
Organism-Specific Notes:

- ** 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.

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

Saturday, November 03, 2018

Respiratory Isolates - % Susceptible



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

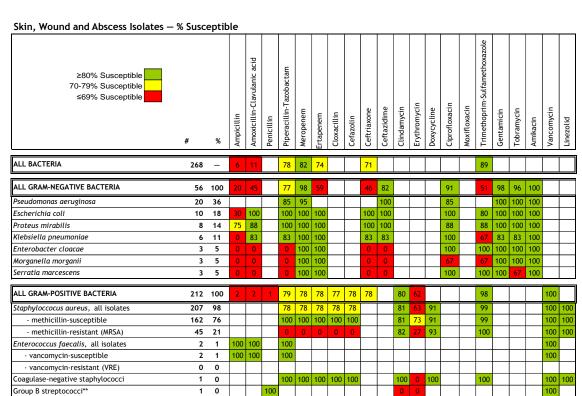
 ${\color{red} \blacktriangleright} \ \, \text{Susceptibility for cefazolin are not available for Gram-negative isolates from non-sterile site specimens for the current year.}$

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.

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

Saturday, November 03, 2018



Group A streptococci** 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.

100 100

- > 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:

> Susceptibility for cefazolin are not available for Gram-negative isolates from non-sterile site specimens for the current year.

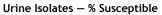
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Organism-Specific Notes:

** 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.

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



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	676	_	35	71		83	87	84			61	70		5	81	64	82					
ALL GRAM-NEGATIVE BACTERIA	564	100	28	71		81	100	96			69	80	83		83	73	80	92	92	100		
Escherichia coli	402	71	33	77		85	100	100			74	88	88		80	71	99	91	91	100		
Klebsiella pneumoniae	59	10	0	88		86	100	100			88	90	90		90	86	39	95	92	100		
Proteus mirabilis	30	5	87	93		100	100	100			97	100	100		87	90	0	90	90	100		
Pseudomonas aeruginosa	23	4				91	96						91		87			96	96	96		
Klebsiella oxytoca	15	3	0	87		87	100	100			87	87	87		100	100	93	100	100	100		
Citrobacter koseri	9	2	0	0		0	100	100			0	0	0		100	100	100	100	100	100		
Enterobacter aerogenes	6	1	0	0		0	100	100			0	0	0		100	100	33	100	100	100		
Enterobacter cloacae	5	1	0	0		0	100	100			0	0	0		100	80	40	100	100	100		
Citrobacter freundii	5	1	0	0		0	100	100			0	0	0		100	100	80	100	100	100		
ALL GRAM-POSITIVE BACTERIA	112	100	71	71		92	21	21	21	21	21	21		36	67	17	94				99	100
Enterococcus faecalis, all isolates	77	69	100	100		100								19	83		99				100	100
- vancomycin-susceptible	77	69	100	100		100								19	83		99				100	100
- vancomycin-resistant (VRE)	0	0																				
Staphyloccocus aureus, all isolates	17	15				82	82	82	82	82	82			100		100	94				100	100
- methicillin-susceptible	14	13				100	100	100	100	100	100			100		100	93				100	100
- methicillin-resistant (MRSA)	3	3				0	0	0	0	0	0			100		100	100				100	100
Staphylococcus saprophyticus "	12	11																				
Enterococcus faecium, all isolates	6	5	33	33		33								67	33		50				83	
- vancomycin-susceptible	6	5	33	33		33								67	33		50				83	
- vancomycin-resistant (VRE)	0	0																				
- vancomycin-susceptible (vanA+)	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.
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- > Susceptibility to doxycycline was predicted based on tetracycline susceptibility testing results.

Year-Specific Notes:

> Susceptibility for cefazolin are not available for Gram-negative isolates from non-sterile site specimens for the current year.

Organism-Specific Notes:

" S. saprophyticus: Susceptibility testing is not routinely perfomed. Most urinary tract infections due to this organism respond to nitrofurantoin, trimethoprim/sulfamethoxazole or fluoroquinolones.