

PERCENT SUSCEPTIBILITY- COMMONLY ISOLATED BACTERIA AT YRMC (FROM INPATIENT AND OUTPATIENT ISOLATES COLLECTED 7/1/2021 TO 12/31/2021)

ORGANISM	# Isolates	Amikacin	Ampicillin	Ampicillin/sulbactam (Unasyn)	Azithromycin	Cefazolin	Cefepime	Ceftazidime	Ceftriaxone	Clindamycin	Doxycycline	Ertapenem (Invanz)	Gentamicin	Levofloxacin (Levaquin)	Meropenem (Merrem)	Nafcillin/oxacillin	Nitrofurantoin (Macrobid®) (urine only)	Penicillin	Piperacillin/tazobactam (Zosyn)	Sulfa/trimethoprim (Bactrim, Septra)	Tetracycline	Tobramycin	Vancomycin
GRAM-POSITIVE BACTERIA																							
Enterococcus faecalis	194		99										76 ^S				99	97					99
Enterococcus faecium	26												85 ^S										62
Staphylococcus aureus	545					65				71			94	65		65	99			99	94		100
Streptococcus pneumoniae**	22		100						100/91*	91					100			100		86	91		100
GRAM-NEGATIVE BACTERIA																							
Enterobacter cloacae	79	100					85	77	72			90	97	91	99				88	86		97	
Escherichia coli	1629	100	50	58			89	87	86			99	87	71	100		97		96	68		86	
Klebsiella pneumoniae	421	100		77			93	93	92			99	95	90	99 [^]				93	88		94	
Proteus mirabilis	154	100	69	81			98	97	95			97	82	71	98				99	76		81	
Pseudomonas aeruginosa	209	99					94	93					97	81	92				92			98	
ADDITIONAL INFORMATION																							
NO renal adjustment needed					✓				✓	✓	✓					✓							
Usual adult daily dose (IV, Nitrofurantoin and TCN PO only)		15 mg/kg Q24h	1 gm Q6h	3 gm Q6h	500 mg Q24h	1 gm Q8h	1 gm Q12h	1 gm Q8h	1 gm Q24h	600 mg Q8h	100 mg Q12h	1 gm Q24h	5 mg/kg Q24h	500 mg Q6h	500 mg Q24h	2 gm Q4h	100 mg bid	2.5 MU Q6h	3.375gm Q6h	160 mg TMP Q6h	500mg Q6h	5 mg/kg Q24h	1 gm Q12h

Note: Only antibiotic susceptibility >30% included ; tested on bioMerieux Vitek 2

VRE rate: 16.3% of all Enterococcus are resistant to vancomycin

MRSA rate: 35% of all *S. aureus* isolates are MRSA

Extended-spectrum beta-lactamase (ESBL) rate: 18% of *E. coli* from all sources (*E. coli* from blood: 23%) and 9% *Klebsiella pneumoniae* from all source (*K. pneumoniae* from blood: 13%) are ESBLs

*Meningitis isolates

^S For synergy use only

** Data from 7/1/19-6/30/20

[^]Ertapenem susceptibility