

TABLE 1 PERCENTAGE OF GRAM NEGATIVE BACILLI SUSCEPTIBLE TO VARIOUS ANTIMICROBIAL AGENTS^a - Organisms (No. Strains Tested)

COMPUNET CLINICAL LABORATORIES January-December, 2009 Numbers are Percent Susceptible	Adjust Dose in Renal Insufficiency	Acinetobacter baumannii (184)	Acinetobacter lwoffi (107)	Alcaligenes xylosoxidans (44)	Citrobacter amalonaticus (57)	Citrobacter freundii (463)	Citrobacter koseri (295)	Enterobacter aerogenes (365)	Enterobacter agglomerans (30)	Enterobacter cloacae (607)	Escherichia coli (15887)	Escherichia fergusonii (25)	Klebsiella oxytoca (535)	Klebsiella pneumoniae (2940)	Morganella morganii (226)	Proteus mirabilis (1454)	Proteus vulgaris (44)	Providencia rettgeri (49)	Providencia stuartii (82)	Pseudomonas aeruginosa (1595)	Pseudomonas fluorescens (54)	Salmonella sp.(34)	Serratia marcescens (266)	Stenotrophomonas maltophilia (156)	Prescribing Information Usual Adult Dosage	Daily Relative Cost Based on Dose Listed	
AMINOGLYCOSIDES																											
Amikacin	Y	49	99	7	100	99	99	99	100	99	99	100	99	99	99	99	98	98	100	91	98		99		Load 7.5mg/kg 15mg/kg/day (2-3 doses)	\$\$\$	
Gentamicin	Y	43	99	5	86	94	98	98	97	92	91	100	98	97	85	83	98	94	66	76	98		87		Load 2 mg/kg 3-5mg/kg/day (2-3 doses)	\$	
Tobramycin	Y	47	100	5	96	95	97	97	97	91	91	100	97	96	92	83	98	96	46	83	100		85		Load 2mg/kg 3-5mg/kg/day (2-3 doses)	\$	
PENICILLINS																											
Ampicillin ^p	Y						0				58	80	6	5	6	87						100			1-2 Gm q4-6h (IV)	\$\$\$\$\$\$	
Ampicillin/Sulbactam (Unasyn)	Y				61	75	92				62	84	69	86	13	94									1.5-3 Gm q6h	\$\$\$	
Piperacillin/Tazobactam (Zosyn)	Y			89	100	95	98	90	97	94	97	96	96	96	98	100	98	98	99	91	91		89		3.375 Gm q6h	\$\$\$\$\$\$	
CEPHALOSPORINS																											
Oral first generation cephalosporins ^q	Y				11	3	91				58	80	59	88	2	92	0	12	7				0				
Cefazolin (Ancef)	Y				26	8	94	14	90	5	90	92	50	94	7	93	0	33	9				0		1-2 Gm q8h	\$	
Cefuroxime (Kefurox)	Y				44	81	90	77	87	37	94	96	89	93	14	99	0	82	61				2		0.75-1.5 Gm q6-8h	\$\$	
Ceftazidime (Fortaz)	Y	37	90	78	100	90	99	90	97	79	97	100	96	96	86	99	98	92	96	91	96		91		1-2 Gm q8h	\$\$	
Ceftriaxone (Rocephin)	N	24	91	2	96	89	99	91	97	77	98	100	95	96	97	99	84	100	100			100	90		1-2 Gm q12-24 hr	\$\$	
Cefotaxime (Claforan)	Y	21	92	2	100	90	99	91	97	79	98	100	97	96	92	99	93	100	98				84		1-2 Gm q8h	\$\$	
Cefepime (Maxipime)	Y	38	92	16	100	99	99	99	97	94	99	100	97	96	99	99	98	100	100	81	89		98		1-2 Gm q12h	\$\$\$\$	
OTHERS																											
Aztreonam (Azactam)	Y	0		0	96	90	98	91	90	79	98	100	93	96	92	97	86	96	98	67	35		92		1-2 Gm q8-12h	\$\$\$\$\$\$\$\$	
Meropenem/Imipenem	Y	55	97	89	100	99	99	100	100	99	99	100	99	99	97	99	95	100	99	80	91		99		0.5 Gm q8h	\$\$\$\$\$\$	
Ciprofloxacin (Cipro)	Y	38	97	25	93	89	96	95	93	84	80	100	95	95	71	75	98	90	26	65	79		80		200-400mg q 12h (IV) 500-750 mg q12h (PO)	\$ \$	
Levofloxacin ^c (Levo)	Y	40	97	81	95	93	98	97	93	87	90	100	97	96	80	80	98	92	28	64	78		89		500 mg q24 h (IV) 200-500 mg q24 h (PO)	\$\$\$ \$\$\$	
Tetracycline	Y	42	96	18	86	78	96	88	97	81	79	100	92	87	51	0	39	14	0				20		250-500 mg q12 h	\$	
Trimeth/Sulfa (Bactrim, Septra)	Y	41	99	95	88	82	97	96	97	96	77	96	94	91	69	77	95	90	66			100	93	96	10mg/kg (TMP)/day (2 doses) (IV)	\$\$	
Nitrofurantoin (Macrochantin)					61	90	89	30		34	97	100	89	59	0	0	0	3	0				0		50-100mg q6h	\$	

A lack of data indicates that the organism is intrinsically resistant to the antibiotic, or that insufficient data (<15 isolates) exists.

Proportionate Cost Scale: 10 (\$) - most expensive; 1 (\$) - least expensive.