

# Bacterial Resistance to Antibiotics by Organism Tested

All bacteria identified were tested for antibiotic susceptibility. Using standard panels of antibiotics and their breakpoints following the government's National Antimicrobial Resistance Monitoring System (NARMS) and Clinical and Laboratory Standards Institute (CLSI), we identified bacteria that were susceptible, had intermediate resistance, or were resistant to each antibiotic tested. The table below shows the number of bacteria we found that were resistant to each antibiotic tested.

Antibiotic	Susceptible	Intermediate	Resistant	Not susceptible <sup>1</sup>	Number of samples
<b>SALMONELLA</b>					
Gentamicin	5	2	5	0	12
Kanamycin	6	3	3	0	12
Streptomycin	6	0	6	0	12
Cefoxitin	8	0	4	0	12
Ceftiofur	8	0	4	0	12
Ceftriaxone	8	0	4	0	12
Amoxicillin/ Clavulanic Acid	8	0	4	0	12
Ampicillin	3	0	9	0	12
Chloramphenicol	12	0	0	0	12
Ciprofloxacin	11	1	0	0	12
Nalidixic Acid	11	0	1	0	12
Sulfisoxazole	0	0	0	12	12
Tetracycline	2	0	10	0	12
Trimethoprim/ Sulfamethoxazole	12	0	0	0	12
<b>STAPH AUREUS</b>					
Gentamicin	35	1	3	0	39
Rifampin	37	1	1	0	39
Nitrofurantoin	38	0	0	1	39
Vancomycin	39	0	0	0	39
Tigecycline	36	0	3	0	39
Clindamycin	37	1	0	1	39
Daptomycin	36	0	0	3	39
Erythromycin	38	0	0	1	39
Linezolid	37	0	2	0	39
Ampicillin	13	0	16	10	39
Oxacillin	36	0	3	0	39
Penicillin	12	0	27	0	39
Chloramphenicol	35	0	0	4	39
Ciprofloxacin	36	0	0	3	39
Levofloxacin	35	2	2	0	39
Moxifloxacin	33	1	5	0	39
Quinupristin	39	0	0	0	39
Tetracycline	13	1	25	0	39
Trimethoprim/ Sulfamethoxazole	32	0	7	0	39
<b>E. COLI</b>					
Gentamicin	101	5	49	0	155
Kanamycin	116	0	38	1	155
Streptomycin	61	0	94	0	155
Cefoxitin	141	3	11	0	155
Ceftiofur	142	2	11	0	155
Ceftriaxone	142	1	12	0	155
Azithromycin	154	0	0	1	155
Amoxicillin/ Clavulanic Acid	138	5	12	0	155
Ampicillin	64	0	91	0	155
Chloramphenicol	141	4	10	0	155
Ciprofloxacin	155	0	0	0	155
Nalidixic Acid	152	0	3	0	155
Sulfisoxazole	5	0	0	150	155
Tetracycline	30	0	125	0	155
Trimethoprim/ Sulfamethoxazole	139	0	16	0	155
<b>ENTEROCOCCUS</b>					
Gentamicin	105	0	73	0	178
Kanamycin	92	0	86	0	178
Streptomycin	133	0	45	0	178
Nitrofurantoin	177	0	0	1	178
Vancomycin	178	0	0	0	178
Tigecycline	177	0	0	1	178
Lincomycin <sup>2</sup>	1	0	177	0	178
Daptomycin	178	0	0	0	178
Erythromycin	57	51	70	0	178
Tylosin Tartrate	109	0	69	0	178
Linezolid	176	2	0	0	178
Penicillin	176	0	2	0	178
Chloramphenicol	175	3	0	0	178
Ciprofloxacin	169	6	3	0	178
Quinupristin <sup>2</sup>	3	2	173	0	178
Tetracycline	31	1	146	0	178

<sup>1</sup> Test values fell into range where MIC AB-resistance level is not defined. <sup>2</sup> Some enterococcus have intrinsic resistance to this antibiotic