

	A equ	B bron	P aer	P cab	Past	R equ	S aur	S equi	S equs	S zoo
<i>Data is reported as percent Susceptible (Number of isolates tested)</i>										
Amikacin	45% (22)	67% (6)	87% (23)	100% (3)	100% (3)	97% (33)	96% (23)	7% (29)	7% (14)	2% (140)
Amoxicillin/Clavulanic Acid	100% (3)	100% (2)	0% (4)	ND	ND	67% (3)	83% (6)	100% (1)	100% (1)	100% (11)
Ampicillin	91% (22)	0% (6)	0% (23)	100% (3)	100% (3)	0% (33)	57% (23)	100% (29)	93% (14)	98% (140)
Azithromycin	ND	ND	ND	ND	ND	ND	ND	ND	ND	100% (3)
Cefazolin	67% (3)	0% (2)	0% (4)	ND	ND	0% (3)	83% (6)	100% (1)	100% (1)	100% (14)
Cefoxitin	67% (3)	0% (2)	0% (4)	ND	ND	67% (3)	83% (6)	100% (1)	100% (1)	100% (11)
Cefpodoxime	100% (3)	0% (2)	0% (4)	ND	ND	0% (3)	83% (6)	100% (1)	100% (1)	100% (11)
Ceftazidime	ND	ND	ND	ND	ND	ND	ND	ND	ND	100% (3)
Ceftiofur	95% (22)	0% (6)	0% (23)	100% (3)	100% (3)	61% (33)	74% (23)	100% (29)	100% (14)	99% (140)
Cephalothin	95% (22)	17% (6)	0% (23)	100% (3)	100% (3)	0% (33)	74% (23)	100% (29)	100% (14)	99% (137)
Chloramphenicol	100% (3)	100% (2)	0% (4)	ND	ND	0% (3)	100% (6)	100% (1)	100% (1)	100% (14)
Clarithromycin	ND	ND	ND	ND	ND	ND	ND	ND	ND	0% (3)
Clindamycin	0% (22)	0% (6)	0% (23)	0% (3)	67% (3)	0% (33)	91% (23)	28% (29)	64% (14)	31% (137)
Doxycycline	ND	ND	ND	ND	ND	ND	ND	ND	ND	100% (3)
Enrofloxacin	100% (22)	83% (6)	35% (23)	100% (3)	100% (3)	61% (33)	87% (23)	93% (29)	64% (14)	64% (140)
Erythromycin	23% (22)	0% (6)	0% (23)	100% (3)	67% (3)	91% (33)	87% (23)	97% (29)	86% (14)	89% (140)
Gentamicin	73% (22)	83% (6)	87% (23)	100% (3)	100% (3)	100% (33)	83% (23)	69% (29)	71% (14)	44% (140)
Imipenem	100% (3)	100% (2)	100% (4)	ND	ND	100% (3)	67% (6)	100% (1)	100% (1)	100% (14)
Marbofloxacin	0% (3)	0% (2)	0% (4)	ND	ND	0% (3)	100% (6)	100% (1)	100% (1)	82% (11)
Neomycin	32% (19)	100% (4)	26% (19)	100% (3)	100% (3)	97% (30)	100% (17)	4% (28)	0% (13)	2% (126)
Orbifloxacin	0% (3)	0% (2)	0% (4)	ND	ND	0% (3)	50% (6)	0% (1)	100% (1)	9% (11)
Oxacillin***	ND	ND	ND	ND	ND	ND	65% (23)	ND	ND	ND
Penicillin	45% (22)	0% (6)	0% (23)	67% (3)	67% (3)	0% (33)	57% (23)	100% (29)	100% (14)	98% (140)
Rifampin	64% (22)	0% (6)	0% (23)	100% (3)	67% (3)	94% (33)	91% (23)	100% (29)	100% (14)	95% (140)
Sulfachloropyridazine	89% (19)	50% (4)	0% (19)	100% (3)	100% (3)	77% (30)	88% (17)	79% (28)	77% (13)	60% (126)
Tetracycline	91% (22)	83% (6)	4% (23)	100% (3)	100% (3)	97% (33)	83% (23)	97% (29)	36% (14)	33% (140)
Ticarcillin	95% (22)	67% (6)	78% (23)	100% (3)	100% (3)	0% (33)	74% (23)	100% (29)	100% (14)	99% (140)
Ticarcillin/Clavulanic Acid	100% (22)	83% (6)	61% (23)	100% (3)	100% (3)	6% (33)	70% (23)	100% (29)	100% (14)	99% (140)
Trimethoprim / Sulphamethoxazole	91% (22)	33% (6)	4% (23)	100% (3)	100% (3)	58% (33)	87% (23)	97% (29)	93% (14)	92% (140)

\*\*\*Isolates resistant to oxacillin are interpreted as methicillin resistant.

**Key:**

1	Data is reported as: % susceptible (# isolates tested) - not all bacteria isolated at ISU VDL have been tested for antimicrobial susceptibility	
2	See Salmonella serotype table for most common serotypes isolated within each group	
3	Isolates resistant to oxacillin are interpreted as potentially methicillin resistant.	
4	A result of $\leq 2$ ug/ml for Carbadox is a conservative indicator of bacterial inhibition by this antimicrobial agent. The result shown is based on pharmacokinetic research indicating an average Carbadox level of 4.5 mcg/ml in the small intestine of pigs fed a dose rate of 50 g/ton. (De Graff 1988).	
5	Multidrug resistant isolates were found resistant to most classes of antimicrobial in the 1 <sup>st</sup> round of testing. This table represents additional Disk Diffusion testing for those isolates.	
NA	Not applicable	
ND	Not done	
NI	No interpretation	
A equ - Actinobacillus equuli	H ecol - hemolytic E. coli	S aur - Staphylococcus aureus
A suis - Actinobacillus suis	H som - Histophilus somni	S beta- Beta Streptococcus species
Abua - Acinetobacter species	HPS - Haemophilus parasuis	S can - Streptococcus canis
Amy - Actinomyces species	K pneu - Klebsiella pneumoniae	S chol - Salmonella choleraesuis
APP - Actinobacillus pleuropneumoniae	M bov - Moraxella bovis	S dysg - Streptococcus dysgalactiae
B bron - Bordetella bronchiseptica	M haem - Mannheimia haemolytica	S epi- Staphylococcus epidermidis
B tre - Bibersteinia trehalosi (formerly Pasteurella trehalosi)	P aer - Pseudomonas aeruginosa	S equi - Streptococcus equi
Bact - Bacteroides group	P cab - Pasteurella caballi	S equus - Streptococcus equisimilis
C diff - Clostridium difficile	P mult - Pasteurella multocida	S pint - Staph pseudintermedius
C perf - Clostridium perfringens	Past - Pasteurella species	S suis - Streptococcus suis
Clos - Clostridium species	Pec - Peptococcus species	S ube - Streptococcus uberis
E coli - Escherichia coli	Pes - Peptostreptococcus species	S zoo - Streptococcus zooepidemicus
E fael - Enterococcus faecalis	Pmul A - Pasteurella multocida Type A	Salm sp- Salmonella species
E faem - Enterococcus faecium	Pmul D - Pasteurella multocida Type D	Salm B - Salmonella species group B
Enc - Enterococcus species	Prot - Proteus species	Salm C1 - Salmonella species group C1
Ente - Enterobacter species	Prp - Propionibacterium species	Salm C2 - Salmonella species group C2
Erys - Erysipelothrix	Pseu - Pseudomonas species	Salm D - Salmonella species group D
Fus - Fusobacterium	R equ - Rhodococcus equi	Salm E - Salmonella species group E
G ana - Gallibacterium anatis		