

*Data reported as: % susceptible (# isolates tested)<sup>1</sup>*

Antibiotic	A equ	B bron	P aer	Past	R equ	S aur	S equi	S equs	S zoo	Salm B
Amikacin	100% (25)	100% (8)	100% (13)	100% (7)	100% (19)	100% (17)	21% (14)	6% (17)	0% (135)	89% (9)
Ampicillin	100% (25)	25% (8)	0% (13)	86% (7)	5% (19)	59% (17)	100% (14)	100% (17)	97% (136)	56% (9)
Azithromycin	NI	NI	NI	71% (7)	NI	88% (16)	92% (12)	88% (17)	98% (125)	NI
Cefazolin	96% (25)	0% (8)	0% (13)	100% (7)	5% (19)	94% (17)	93% (14)	100% (17)	97% (135)	67% (9)
Ceftazidime	100% (25)	88% (8)	100% (13)	100% (7)	5% (19)	100% (16)	100% (12)	100% (17)	98% (125)	78% (9)
Ceftiofur	100% (25)	0% (8)	0% (13)	100% (7)	5% (19)	94% (17)	93% (14)	100% (17)	96% (136)	78% (9)
Chloramphenicol	96% (25)	100% (8)	0% (13)	100% (7)	84% (19)	94% (17)	93% (14)	100% (17)	99% (135)	78% (9)
Clarithromycin	NI	NI	NI	NI	100% (19)	88% (16)	NI	NI	0% (125)	NI
Doxycycline	100% (25)	100% (8)	0% (13)	100% (7)	95% (19)	88% (17)	100% (14)	76% (17)	81% (135)	56% (9)
Enrofloxacin	100% (25)	100% (8)	85% (13)	86% (7)	68% (19)	94% (17)	21% (14)	76% (17)	24% (136)	100% (9)
Erythromycin	8% (25)	0% (8)	0% (13)	43% (7)	95% (19)	82% (17)	86% (14)	82% (17)	91% (135)	0% (9)
Gentamicin	100% (25)	100% (8)	77% (13)	86% (7)	100% (19)	65% (17)	36% (14)	35% (17)	2% (136)	89% (9)
Imipenem	100% (25)	100% (8)	92% (13)	100% (7)	100% (19)	88% (17)	100% (14)	100% (17)	100% (135)	100% (9)
Oxacillin <sup>3</sup>	NI	NI	0% (13)	NI	NI	94% (17)	NI	NI	NI	NI
Penicillin	0% (25)	0% (8)	0% (13)	0% (7)	0% (19)	53% (17)	100% (14)	94% (17)	97% (136)	0% (9)
Tetracycline	100% (25)	100% (8)	8% (13)	86% (7)	68% (19)	56% (16)	83% (12)	76% (17)	25% (125)	44% (9)
Ticarcillin	96% (25)	75% (8)	85% (13)	86% (7)	5% (19)	88% (17)	100% (14)	100% (17)	100% (135)	56% (9)
Ticarcillin/Clavulanic Acid	92% (25)	100% (8)	85% (13)	100% (7)	5% (19)	94% (17)	93% (14)	100% (17)	100% (135)	67% (9)
Trimethoprim/Sulphamethoxazole	88% (25)	63% (8)	0% (13)	100% (7)	79% (19)	88% (17)	100% (14)	100% (17)	96% (136)	89% (9)

<sup>3</sup> Isolates resistant to oxacillin are interpreted as potentially 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		