

Data reported as: % susceptible (# isolates tested)¹

Antibiotic	A suis	APP	B bron	E coli	Erys	H ecol	HPS	Pmul A	Pmul D	S suis	Salm B ²	Salm C1 ²	Salm sp
Ampicillin	98% (328)	90% (110)	3% (364)	34% (340)	100% (12)	20% (1641)	98% (487)	98% (754)	98% (275)	95% (2175)	31% (1010)	67% (192)	61% (320)
Ceftiofur	100% (328)	99% (110)	0% (364)	61% (340)	92% (12)	66% (1641)	99% (487)	100% (754)	100% (275)	98% (2175)	78% (1010)	76% (192)	78% (320)
Chlortetracycline	95% (328)	83% (110)	98% (364)	13% (340)	25% (12)	6% (1641)	99% (487)	97% (754)	94% (275)	16% (2175)	11% (1010)	49% (192)	43% (320)
Clindamycin	0% (328)	1% (110)	0% (364)	0% (340)	50% (12)	0% (1641)	3% (487)	0% (754)	0% (275)	20% (2175)	0% (1010)	0% (192)	0% (320)
Enrofloxacin	100% (328)	97% (110)	95% (364)	83% (340)	92% (12)	79% (1641)	99% (487)	100% (754)	100% (275)	95% (2175)	92% (1010)	98% (192)	87% (320)
Florfenicol	100% (328)	99% (110)	18% (364)	4% (340)	8% (12)	14% (1641)	100% (487)	99% (754)	100% (275)	98% (2175)	13% (1010)	18% (192)	33% (320)
Gentamicin	99% (328)	1% (110)	100% (364)	79% (340)	0% (12)	63% (1641)	85% (487)	99% (754)	99% (275)	94% (2175)	82% (1010)	76% (192)	72% (320)
Neomycin	97% (328)	5% (110)	97% (364)	76% (340)	0% (12)	61% (1641)	58% (487)	98% (754)	97% (275)	82% (2175)	79% (1010)	84% (192)	79% (320)
Oxytetracycline	82% (328)	6% (110)	98% (364)	12% (340)	25% (12)	5% (1641)	92% (487)	20% (754)	51% (275)	4% (2175)	11% (1010)	49% (192)	42% (320)
Penicillin	0% (328)	14% (110)	0% (364)	0% (340)	92% (12)	0% (1641)	17% (487)	86% (754)	89% (275)	76% (2175)	0% (1010)	0% (192)	0% (320)
Spectinomycin	0% (328)	5% (110)	0% (364)	0% (340)	50% (12)	0% (1641)	49% (487)	1% (754)	0% (275)	15% (2175)	0% (1010)	0% (192)	0% (320)
Sulfadimethoxine	98% (328)	43% (110)	25% (364)	32% (340)	8% (12)	29% (1641)	35% (487)	25% (754)	33% (275)	31% (2175)	2% (1010)	20% (192)	8% (320)
Tiamulin	97% (328)	96% (110)	0% (364)	0% (340)	67% (12)	1% (1641)	94% (487)	59% (754)	14% (275)	82% (2175)	0% (1010)	0% (192)	0% (320)
Tilmicosin	94% (328)	88% (110)	1% (364)	0% (340)	67% (12)	0% (1641)	87% (487)	90% (754)	33% (275)	24% (2175)	0% (1010)	0% (192)	0% (320)
Trimethoprim/ Sulphamethoxazole	99% (328)	96% (110)	26% (364)	77% (340)	25% (12)	71% (1641)	95% (487)	94% (754)	98% (275)	96% (2175)	84% (1010)	85% (192)	92% (320)
Tulathromycin	0% (328)	89% (110)	99% (364)	0% (340)	0% (12)	0% (1641)	0% (487)	99% (754)	96% (275)	0% (2175)	0% (1010)	0% (192)	0% (320)
Tylosin (Tartrate/Base)	0% (328)	0% (110)	0% (364)	0% (340)	0% (12)	0% (1641)	0% (487)	0% (754)	0% (275)	0% (2175)	0% (1010)	0% (192)	0% (320)

Carbadox ⁴	E coli		Salm	
	>2 ug/ml	<= 2 ug/ml	>2 ug/ml	<= 2 ug/ml
	29% (778)	71% (778)	10% (348)	90% (348)

² See [Salmonella serotype](#) table for most common serotypes isolated within each group

⁴ A result of <=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).

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 ≤ 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 st 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		