

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

Antibiotic	B tre	E coli	H som	M bov	M haem	P mult	Salm B <sup>2</sup>	Salm C <sup>2</sup>	Salm D <sup>2</sup>	Salm sp <sup>2</sup>
Ampicillin	60% (25)	22% (888)	90% (355)	99% (78)	70% (623)	98% (543)	43% (143)	55% (33)	11% (148)	93% (187)
Ceftiofur	88% (25)	50% (888)	98% (355)	99% (78)	100% (623)	100% (543)	62% (143)	55% (33)	11% (148)	95% (187)
Chlortetracycline	68% (25)	11% (867)	97% (355)	99% (78)	61% (623)	85% (543)	31% (143)	45% (33)	3% (148)	76% (187)
Clindamycin	0% (25)	0% (868)	38% (355)	8% (78)	0% (623)	0% (543)	0% (143)	0% (33)	0% (148)	0% (187)
Danofloxacin	48% (25)	43% (867)	71% (355)	9% (78)	60% (623)	82% (543)	64% (143)	82% (33)	77% (148)	86% (187)
Enrofloxacin	56% (25)	53% (868)	76% (355)	100% (78)	63% (623)	92% (543)	87% (143)	100% (33)	98% (148)	99% (187)
Florfenicol	72% (25)	6% (867)	94% (355)	92% (78)	78% (623)	94% (543)	29% (143)	36% (33)	3% (148)	57% (187)
Gentamicin	92% (25)	69% (868)	21% (355)	96% (78)	67% (623)	83% (543)	92% (143)	100% (33)	98% (148)	98% (187)
Neomycin	60% (25)	33% (867)	7% (355)	99% (78)	59% (623)	36% (543)	61% (143)	97% (33)	45% (148)	98% (187)
Oxytetracycline	16% (25)	10% (867)	35% (355)	99% (78)	48% (623)	59% (543)	31% (143)	42% (33)	3% (148)	75% (187)
Penicillin	8% (25)	0% (888)	85% (355)	1% (78)	25% (623)	69% (543)	0% (143)	0% (33)	0% (148)	0% (187)
Spectinomycin	0% (25)	1% (867)	55% (355)	10% (78)	63% (623)	71% (543)	0% (143)	0% (33)	0% (148)	0% (187)
Sulfadimethoxine	36% (25)	12% (887)	13% (355)	99% (78)	12% (623)	15% (543)	1% (143)	0% (33)	1% (148)	30% (187)
Tiamulin	64% (25)	0% (867)	100% (355)	100% (78)	92% (623)	65% (543)	0% (143)	0% (33)	0% (148)	0% (187)
Tilmicosin	52% (25)	0% (867)	80% (355)	97% (78)	56% (623)	69% (543)	0% (143)	0% (33)	0% (148)	0% (187)
Trimethoprim/Sulphamethoxazole	80% (25)	42% (868)	96% (355)	97% (78)	98% (623)	91% (543)	66% (143)	97% (33)	82% (148)	96% (187)
Tulathromycin	NI	NI	67% (355)	NI	62% (623)	84% (543)	NI	NI	NI	NI
Tylosin (Tartrate/Base)	0% (25)	NI	58% (355)	NI	0% (623)	1% (543)	NI	NI	NI	NI

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

**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 In 2015 changes were incorporated into the test method.
- 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		