

**Bovine 2009**

## Susceptibility profile of Bovine pathogens received at ISU VDL in 2009

	<b>E coli</b>	<b>H som</b>	<b>M bov</b>	<b>M haem</b>	<b>P mult</b>	<b>P tre</b>	<b>S. dubl</b>	<b>S new</b>	<b>S typh</b>	<b>S ugan</b>
<i>Number of isolates*</i>	333	55	5	104	83	6	35	1	15	6
<i>Data reported as % susceptible</i>										
Ampicillin	27%	89%	100%	78%	95%	33%	11%	100%	7%	33%
Ceftiofur	55%	100%	100%	99%	100%	100%	11%	100%	67%	33%
Chlortetracycline	12%	95%	100%	86%	92%	33%	3%	100%	7%	17%
Clindamycin	0%	45%	0%	0%	1%	0%	0%	0%	0%	0%
Danofloxacin	64%	71%	0%	72%	76%	33%	ND	ND	ND	ND
Enrofloxacin	67%	76%	100%	74%	82%	33%	100%	100%	100%	83%
Florfenicol	7%	95%	100%	89%	89%	83%	0%	0%	0%	0%
Gentamicin	60%	18%	80%	84%	75%	33%	0%	100%	7%	17%
Neomycin	24%	4%	100%	50%	34%	17%	97%	100%	100%	17%
Oxytetracycline	11%	45%	100%	46%	58%	0%	31%	100%	93%	17%
Penicillin	0%	84%	0%	28%	64%	0%	3%	100%	7%	17%
Spectinomycin	0%	58%	60%	75%	66%	17%	0%	0%	0%	0%
Sulfadimethoxine	12%	31%	80%	32%	28%	17%	0%	0%	0%	0%
Tiamulin	0%	100%	100%	91%	70%	50%	3%	0%	0%	17%
Tilmicosin	0%	89%	80%	63%	64%	17%	0%	0%	0%	0%
Trimethoprim / Sulphamethoxazole	42%	96%	100%	2%	5%	17%	0%	0%	0%	0%
Tulathromycin	0%	75%	0%	82%	75%	17%	83%	100%	93%	67%
Tylosin (Tartrate/Base)	0%	71%	0%	0%	2%	0%	ND	ND	ND	ND

**Key:**

\* In vitro antimicrobial test results do not represent therapeutic recommendations from the VDL or personnel therein. Extra/Off label usage of an antimicrobial which is limited/prohibited for certain species may result in legal action by FDA-CVM

\*\* These are the only antimicrobials with valid breakpoints correlated with clinical outcome in species presented.

ND Not done

A equ	Actinobacillus equuli	H som	Histophilus somni	S beta	Beta Streptococcus species
A suis	Actinobacillus suis	HPS	Haemophilus parasuis	S can	Streptococcus canis
Abua	Acinetobacter species	K pneu	Klebsiella pneumoniae	S chol	Salmonella choleraesuis
Amy	Actinomyces species	M bov	Moraxella bovis	S dubl	Salmonella dublin
APP	Actinobacillus pleuropneumoniae	M haem	Mannheimia haemolytica	S dysg	Streptococcus dysgalactiae
B bron	Bordetella bronchiseptica	Non E coli	non hemolytic E. coli	S epi	Staphylococcus epidermidis
Bact	Bacteriodes group	P aer	Pseudomonas aeruginosa	S equi	Streptococcus equi
C diff	Clostridium difficile	P cab	Pasteurella caballi	S equus	Streptococcus equisimillis
C perf	Clostridium perfringens	P mult	Pasteurella multocida	S int	Staphylococcus intermedius
Clos	Clostridium species	P tre	Pasteurella trehalosi	S new	Salmonella newport
E coli	Escherichia coli	Past	Pasteurella species	S pint	Staph. pseudointermedius
E fael	Enterococcus faecalis	Pec	Peptococcus species	S schl	Staphylococcus schleiferi
E faem	Enterococcus faecium	Pes	Peptostreptococcus species	S suis	Streptococcus suis
Ecoli 99 -	E.coli, K99 negative	Pmul A	Pasteurella multocida Type A	S typm	Salmonella typhimurium
Ecoli 99 +	E.coli, K99 positive	Pmul D	Pasteurella multocida Type D	S ube	Streptococcus uberis
Enc	Enterococcus species	Prot	Proteus species	S ugan	Salmonella uganda
Ente	Enterobacter species	Prp	Propionibacterium species	S zoo	Streptococcus zooepidemicus
Erysip	Erysipelothrix	Pseu	Pseudomonas species	Salm	Salmonella
Fus	Fusobacterium	R equ	Rhodococcus equi	Salm B	Salmonella species group B
G ana	Gallibacterium anatis	S aha	Alpha hemolytic Streptococcus species	Salm C1	Salmonella species group C1
H ecol	hemolytic E.coli	S aur	Staphylococcus aureus	Salm C2	Salmonella species group C2