

Bovine	MIC Susceptibility Profile of Bovine Pathogens Submitted to ISU VDL in 2007									
	E coli 99 -	E coli 99 +	H som	M hem	P mul	P tre	S dubl	S new	S typh	S ugan
Number of Isolates*	253	93	55	130	119	7	63	13	21	16
	Percent susceptible***									
Ampicillin	18%	9%	100%	82%	98%	71%	13%	8%	19%	13%
Ceftiofur**	59%	37%	100%	100%	100%	100%	16%	8%	90%	13%
Chlortetracycline	7%	1%	100%	82%	95%	71%	2%	0%	14%	13%
Clindamycin	0%	0%	60%	0%	0%	0%	0%	0%	0%	0%
Danofloxacin**	70%	44%	84%	76%	88%	71%	0%	0%	0%	0%
Enrofloxacin**	71%	51%	95%	80%	93%	86%	100%	100%	100%	100%
Erythromycin	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%
Florfenicol**	6%	5%	95%	85%	90%	86%	2%	0%	0%	6%
Gentamicin	53%	42%	36%	84%	78%	71%	94%	92%	100%	13%
Neomycin	21%	10%	5%	58%	34%	57%	17%	67%	90%	6%
Oxytetracycline**	7%	1%	55%	56%	70%	29%	2%	0%	14%	13%
Penicillin	0%	0%	95%	24%	68%	0%	0%	0%	0%	0%
Spectinomycin**	0%	0%	67%	72%	76%	14%	0%	0%	0%	0%
Sulfachloropyridazine	0%	0%	100%	100%	86%	100%	0%	0%	5%	0%
Sulfadimethoxine	7%	1%	29%	30%	17%	43%	0%	0%	5%	0%
Sulphathiazole	0%	0%	67%	0%	29%	50%	0%	0%	0%	0%
Tiamulin	0%	0%	100%	28%	25%	14%	0%	0%	0%	0%
Tilmicosin**	0%	0%	93%	61%	64%	43%	0%	0%	0%	0%
Trimethoprim / Sulphamethoxazole	36%	26%	95%	5%	6%	86%	81%	100%	100%	100%
Tulathromycin**	0%	0%	86%	80%	87%	0%	0%	0%	0%	0%
Tylosin (Tartrate/Base)	0%	0%	71%	0%	0%	0%	0%	0%	0%	0%

Key:

E coli 99 - = E. coli, K99 negative
E coli 99 + = E. coli, K99 positive
H som = Histophilus somni
M hem = Mannheimia haemolytica

P mul = Pasteurella multocida
P tre = Pasteurella trehalosi
S dubl = Salmonella dublin

S new = Salmonella newport
S typh - Salmonella typhimurium
S ugan - Salmonella uganda

* 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.

*** Percent of isolates with a susceptible value.

**** Methicillin resistant is represented by oxacillin.

ND Not done