

SUSCEPTIBILITY PROFILE OF BOVINE PATHOGENS RECEIVED AT ISU/VDL IN 2003

	Ecoli K99 -	Ecoli K99 +	Hsom	L mono	M haem	P mult	Sal Sp
Number of Isolates	189	61	69	7	156	146	136
Antimicrobials*	Percent Susceptible						
Ampicillin	29	15	99	86	72	97	20
Apramycin	85	85	29	86	3	8	96
Ceftiofur**	69	54	100	0	99	100	43
Chlortetracycline	12	0	99	86	96	97	12
Clindamycin	0	0	51	71	1	1	0
Enrofloxacin**	82	61	100	14	94	96	100
Erythromycin	0	0	88	100	1	3	0
Florfenicol**	17	3	99	100	96	90	10
Gentamicin	58	44	41	100	98	94	71
Neomycin	28	3	20	86	52	63	48
Oxytetracycline	11	0	52	71	57	64	13
Penicillin	0	0	88	86	32	73	0
Sulfadimethoxine	19	3	20	86	24	23	7
Spectinomycin**	45	26	75	86	69	77	46
Sulfachlorpyridazine	24	16	78	86	97	54	32
Sulfathiazole	19	3	12	86	24	34	15
Tiamulin	0	0	100	0	27	27	0
Tilmicosin**	0	0	97	86	78	79	1
Trimethoprim/Sulfamethoxazole	47	30	97	86	97	95	90
Tylosin tartrate	0	0	72	86	1	5	0

Ecoli K99 - = *Escherichia coli* K99 negative
Ecoli K99 + = *Escherichia coli* K99 positive
Hsom = *Haemophilus somnus*
L mono = *Listeria monocytogenes*

M haem = *Mannheimia haemolytica*
P mult = *Pasteurella multocida*
Sal Sp = *Salmonella species*

* 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 or prohibited for certain species may result in legal action by FDA-CVM.

**These are the only antimicrobials with valid breakpoints correlated with clinical outcome (respiratory diseases)