

MIC Susceptibility Profile of Bovine Pathogens Submitted to ISU VDL in 2003 through June 2005

	P mul	M haem	Salm	L mono	H som	E coli	E coli K99 +	M bov
Number of Isolates*	355	372	343	14	165	510	159	10
Antimicrobial**	Percent Susceptible***							
Ampicillin	96	72	69	79	99	28	11	100
Apramycin	7	2	7	92	21	88	84	100
Ceftiofur	100	99	100	0	99	69	49	100
Chlortetracycline	97	93	49	93	98	10	1	100
Clindamycin	0	1	0	43	55	0	0	0
Danofloxacin	100	94	0	0	0	80	0	100
Enrofloxacin	97	94	100	14	99	78	59	100
Erythromycin	2	1	0	93	90	0	0	100
Florfenicol	91	95	100	93	98	12	2	100
Gentamicin	92	97	43	100	33	57	42	100
Neomycin	54	53	39	93	10	26	5	100
Oxytetracycline	63	52	7	86	62	9	1	100
Penicillin	78	28	3	71	91	0	0	10
Spectinomycin	57	53	43	71	61	30	18	100
Sulfachloropyridazine	53	52	100	93	86	28	19	100
Sulfadimethoxine	20	28	77	93	25	15	3	100
Sulphathiazole	34	24	82	93	20	16	4	100
Tiamulin	29	41	64	0	98	0	0	100
Tilmicosin	79	76	93	79	98	0	0	100
Trimethoprim/Sulphamethoxazole	94	98	100	93	96	42	33	100
Tylosin (Tartrate/Base)	3	1	0	86	75	0	0	100

E coli - *Escherichia coli* (K99-)

E coli K99 + - *Escherichia coli* (K99+)

H som - *Histophilus somni*

L mono - *Listeria monocytogenes*

M bov - *Moraxella bovis*

M haem - *Mannheimia hemolytica*

P mul - *Pasteurella multocida*

Salm - *Salmonella species* (group B,C1,C2,D,E)

* **number of isolates tested in 30 months**

** 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.

*** Percent of isolates with a susceptible MIC value.