

**Summary of Susceptibility Results**  
**Veterinary Diagnostic Laboratory, Kansas State University**  
Date: 1/1/07 to 12/31/07

**BOVINE: *Arcanobacterium pyogenes***

TESTED: 13

	Interpretations (as%)			
	S	I	R	NI
Ampicillin	100.0			
Ceftiofur				100.0
Chlortetracycline	38.5	53.8	7.7	
Clindamycin	69.2	7.7	23.1	
Danofloxacin				100.0
Enrofloxacin	46.2	46.2	7.7	
Erythromycin	100.0			
Florfenicol	92.3		7.7	
Gentamicin	92.3		7.7	
Neomycin	84.6		15.4	
Oxytetracycline	38.5	30.8	30.8	
Penicillin				100.0
Spectinomycin	92.3		7.7	
Sulphachloropyridazine	50.0		50.0	
Sulphadimethoxime	23.1		76.9	
Sulphathiazole		50.0	50.0	
Tiamulin	100.0			
Tilmicosin	76.9		23.1	
Trimethoprim / Sulphamethoxazole	92.3		7.7	
Tulathromycin				100.0
Tylosin Tartrate				100.0

**BOVINE: *Escherichia coli*, non-hemolytic**

TESTED: 6

	Interpretations (as%)			
	S	I	R	NI
Ampicillin	66.7		33.3	
Ceftiofur				100.0
Chlortetracycline	16.7		83.3	
Clindamycin			100.0	
Danofloxacin				100.0
Enrofloxacin	66.7		33.3	
Erythromycin			100.0	
Florfenicol		66.7	33.3	
Gentamicin	83.3		16.7	
Neomycin	50.0		50.0	
Oxytetracycline	16.7		83.3	
Penicillin			100.0	
Spectinomycin	16.7	33.3	50.0	
Sulphachloropyridazine	20.0		80.0	
Sulphadimethoxime	33.3		66.7	
Sulphathiazole		20.0	80.0	
Tiamulin			100.0	
Tilmicosin			100.0	
Trimethoprim / Sulphamethoxazole	66.7		33.3	
Tulathromycin				100.0
Tylosin Tartrate				100.0

**BOVINE: *Histophilus somni***

TESTED: 53

	Interpretations (as%)			
	S	I	R	NI
Ampicillin	94.3		5.7	
Ceftiofur				100.0
Chlortetracycline	73.6	20.8	5.7	
Clindamycin	18.9	58.5	22.6	
Danofloxacin				100.0
Enrofloxacin	60.4	1.9	37.7	
Erythromycin	28.6	42.9	28.6	
Florfenicol	58.5	18.9	22.6	
Gentamicin	9.4	30.2	60.4	
Neomycin			100.0	
Oxytetracycline	32.1	1.9	66.0	
Penicillin	83.0	13.2	3.8	
Spectinomycin	47.2	1.9	50.9	
Sulphachloropyridazine	71.4		28.6	
Sulphadimethoxime	22.6		77.4	
Sulphathiazole	28.6		71.4	
Tiamulin	98.1		1.9	
Tilmicosin	77.4		22.6	
Trimethoprim / Sulphamethoxazole	96.2		3.8	
Tulathromycin	67.4	4.3	28.3	
Tylosin Tartrate	18.9	50.9	30.2	

**BOVINE: *Mannheimia haemolytica***

TESTED: 94

	Interpretations (as%)			
	S	I	R	NI
Ampicillin	79.8	12.8	7.4	
Ceftiofur	1.1			98.9
Chlortetracycline	64.9	33.0	2.1	
Clindamycin		1.1	98.9	
Danofloxacin				100.0
Enrofloxacin	92.6	3.2	4.3	
Erythromycin		66.7	33.3	
Florfenicol	61.7	1.1	37.2	
Gentamicin	53.2	2.1	44.7	
Neomycin	33.0		67.0	
Oxytetracycline	24.5	14.9	60.6	
Penicillin			72.3	27.7
Spectinomycin	1.1	41.5	57.4	
Sulphachloropyridazine	100.0			
Sulphadimethoxime	31.9		68.1	
Sulphathiazole		55.6	44.4	
Tiamulin	96.8	3.2		
Tilmicosin	38.3	16.0	45.7	
Trimethoprim / Sulphamethoxazole	100.0			
Tulathromycin				100.0
Tylosin Tartrate				100.0

S = Susceptible, I = Intermediate, R = Resistant, NI = No Interpretation. Interpretation based on expert rules from CLSI (formerly NCCLS).

\*If Tetracycline is susceptible, Doxycycline and Minocycline can be considered susceptible.

**Summary of Susceptibility Results**  
**Veterinary Diagnostic Laboratory, Kansas State University**  
Date: 1/1/07 to 12/31/07

**BOVINE: *Moraxella bovis***

TESTED: 5

	Interpretations (as%)			
	S	I	R	NI
Ampicillin	100.0			
Ceftiofur				100.0
Chlortetracycline	100.0			
Clindamycin	20.0	60.0	20.0	
Danofloxacin				100.0
Enrofloxacin	100.0			
Florfenicol	100.0			
Gentamicin	100.0			
Neomycin	100.0			
Oxytetracycline	100.0			
Penicillin			60.0	40.0
Spectinomycin	100.0			
Sulphadimethoxime	100.0			
Tiamulin	100.0			
Tilmicosin	100.0			
Trimethoprim / Sulphamethoxazole	100.0			
Tulathromycin				100.0
Tylosin Tartrate				100.0

**BOVINE: *Pasteurella multocida***

TESTED: 72

	Interpretations (as%)			
	S	I	R	NI
Ampicillin	97.2		2.8	
Ceftiofur	100.0			
Chlortetracycline	97.2	2.8		
Clindamycin		2.8	97.2	
Danofloxacin	72.2		27.8	
Enrofloxacin	80.6	12.5	6.9	
Erythromycin		64.3	35.7	
Florfenicol	70.8	13.9	15.3	
Gentamicin	73.6		26.4	
Neomycin	48.6		51.4	
Oxytetracycline	51.4	6.9	41.7	
Penicillin	65.3	31.9	2.8	
Spectinomycin	62.5		37.5	
Sulphachloropyridazine	85.7		14.3	
Sulphadimethoxime	45.8		54.2	
Sulphathiazole	71.4		28.6	
Tiamulin	45.8	47.2	6.9	
Tilmicosin	58.3	2.8	38.9	
Trimethoprim / Sulphamethoxazole	13.9	86.1		
Tulathromycin	69.0	8.6	22.4	
Tylosin Tartrate	1.4	6.9	91.7	

**BOVINE: *Salmonella* sp.**

TESTED: 6

	Interpretations (as%)			
	S	I	R	NI
Ampicillin	50.0		50.0	
Ceftiofur				100.0
Chlortetracycline	33.3		66.7	
Clindamycin			100.0	
Danofloxacin				100.0
Enrofloxacin	83.3		16.7	
Erythromycin			100.0	
Florfenicol		33.3	66.7	
Gentamicin	33.3	16.7	50.0	
Neomycin	33.3		66.7	
Oxytetracycline	33.3		66.7	
Penicillin			100.0	
Spectinomycin		66.7	33.3	
Sulphachloropyridazine	16.7		83.3	
Sulphadimethoxime	16.7		83.3	
Sulphathiazole		16.7	83.3	
Tiamulin			100.0	
Tilmicosin			100.0	
Trimethoprim / Sulphamethoxazole	66.7		33.3	
Tylosin Tartrate				100.0

S = Susceptible, I = Intermediate, R = Resistant, NI = No Interpretation. Interpretation based on expert rules from CLSI (formerly NCCLS).

\*If Tetracycline is susceptible, Doxycycline and Minocycline can be considered susceptible.