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

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

BOVINE MILK: *Escherichia coli* , non-hemolytic

TESTED: 4

	Interpretations (as%)			
	S	I	R	NI
Ampicillin	100.0			
Ceftiofur				100.0
Cephalothin	100.0			
Doxtcycline	100.0			
Erythromycin			100.0	
Minocycline	100.0			
Oxacillin + 2% NaCl			100.0	
Penicillin			100.0	
Penicillin / Novobiocin				100.0
Pirlimycin			100.0	
Sulphadimethoxime	100.0			
Tetracycline	100.0			

BOVINE MILK: *Staphylococcus aureus*

TESTED: 14

	Interpretations (as%)			
	S	I	R	NI
Ampicillin	7.1			92.9
Ceftiofur				100.0
Cephalothin	100.0			
Doxtcycline	100.0			
Erythromycin	100.0			
Minocycline	100.0			
Oxacillin + 2% NaCl	100.0			
Penicillin			7.1	92.9
Penicillin / Novobiocin	92.9		7.1	
Pirlimycin	100.0			
Sulphadimethoxime	78.6		21.4	
Tetracycline	92.9		7.1	

BOVINE MILK: *Streptococcus* sp.

TESTED: 6

	Interpretations (as%)			
	S	I	R	NI
Ampicillin	100.0			
Ceftiofur				100.0
Cephalothin	100.0			
Doxtcycline	100.0			
Erythromycin	83.3		16.7	
Minocycline	100.0			
Oxacillin + 2% NaCl	100.0			
Penicillin	83.3	16.7		
Penicillin / Novobiocin	83.3		16.7	
Pirlimycin	83.3		16.7	
Sulphadimethoxime	66.7		33.3	
Tetracycline	16.7	33.3	50.0	

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

PORCINE: *Actinobacillus pleuropneumoniae*

TESTED: 19

	Interpretations (as%)			
	S	I	R	NI
Ampicillin	89.5		10.5	
Ceftiofur	94.7		5.3	
Chlortetracycline	84.2		15.8	
Clindamycin	5.3	10.5	84.2	
Danofloxacin				100.0
Enrofloxacin	94.7		5.3	
Erythromycin	20.0		80.0	
Florfenicol	94.7		5.3	
Gentamicin	5.3	52.6	42.1	
Neomycin	5.3		94.7	
Oxytetracycline	47.4		52.6	
Penicillin	26.3	63.2	10.5	
Spectinomycin	15.8	42.1	42.1	
Sulphachloropyridazine	80.0		20.0	
Sulphadimethoxime	84.2		15.8	
Sulphathiazole	60.0		40.0	
Tiamulin	63.2		36.8	
Tilmicosin	84.2		15.8	
Trimethoprim / Sulphamethoxazole	26.3	73.7		
Tulathromycin				100.0
Tylosin Tartrate	5.3	5.3	89.5	

PORCINE: *Actinobacillus suis*

TESTED: 12

	Interpretations (as%)			
	S	I	R	NI
Ampicillin	100.0			
Ceftiofur				100.0
Chlortetracycline	91.7	8.3		
Clindamycin		16.7	83.3	
Danofloxacin				100.0
Enrofloxacin	100.0			
Erythromycin		100.0		
Florfenicol	100.0			
Gentamicin	100.0			
Neomycin	91.7		8.3	
Oxytetracycline	66.7		33.3	
Penicillin			91.7	8.3
Spectinomycin	8.3	91.7		
Sulphachloropyridazine	100.0			
Sulphadimethoxime	100.0			
Sulphathiazole		100.0		
Tiamulin	100.0			
Tilmicosin	100.0			
Trimethoprim / Sulphamethoxazole	100.0			
Tulathromycin				100.0
Tylosin Tartrate				100.0

PORCINE: *Bordetella bronchiseptica*

TESTED: 6

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

PORCINE: *Escherichia coli* , hemolytic

TESTED: 9

	Interpretations (as%)			
	S	I	R	NI
Ampicillin	44.4		55.6	
Ceftiofur				100.0
Chlortetracycline	11.1	22.2	66.7	
Clindamycin			100.0	
Danofloxacin				100.0
Enrofloxacin	100.0			
Erythromycin			100.0	
Florfenicol	33.3	44.4	22.2	
Gentamicin	55.6	22.2	22.2	
Neomycin	33.3		66.7	
Oxytetracycline	11.1		88.9	
Penicillin			100.0	
Spectinomycin		44.4	55.6	
Sulphachloropyridazine	50.0		50.0	
Sulphadimethoxime	22.2		77.8	
Sulphathiazole		50.0	50.0	
Tiamulin			100.0	
Tilmicosin			100.0	
Trimethoprim / Sulphamethoxazole	55.6		44.4	
Tulathromycin				100.0
Tylosin Tartrate				100.0

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*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

PORCINE: *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	100.0			
Florfenicol	16.7	50.0	33.3	
Gentamicin	100.0			
Neomycin	66.7		33.3	
Oxytetracycline	16.7		83.3	
Penicillin			100.0	
Spectinomycin	16.7	66.7	16.7	
Sulphadimethoxime	50.0		50.0	
Tiamulin			100.0	
Tilmicosin			100.0	
Trimethoprim / Sulphamethoxazole	66.7		33.3	
Tulathromycin				100.0
Tylosin Tartrate				100.0

PORCINE: *Haemophiulus parasuis*

TESTED: 10

	Interpretations (as%)			
	S	I	R	NI
Ampicillin	100.0			
Ceftiofur				100.0
Chlortetracycline	80.0	10.0	10.0	
Clindamycin	70.0	10.0	20.0	
Danofloxacin				100.0
Enrofloxacin	90.0	10.0		
Erythromycin	80.0	20.0		
Florfenicol	100.0			
Gentamicin	70.0	10.0	20.0	
Neomycin	20.0		80.0	
Oxytetracycline	90.0		10.0	
Penicillin			40.0	60.0
Spectinomycin	90.0		10.0	
Sulphachloropyridazine	100.0			
Sulphadimethoxime	70.0		30.0	
Sulphathiazole			100.0	
Tiamulin	80.0	20.0		
Tilmicosin	80.0		20.0	
Trimethoprim / Sulphamethoxazole	100.0			
Tulathromycin				100.0
Tylosin Tartrate				100.0

PORCINE: *Pasteurella multocida*

TESTED: 45

	Interpretations (as%)			
	S	I	R	NI
Ampicillin	100.0			
Ceftiofur	100.0			
Chlortetracycline	100.0			
Clindamycin		2.2	97.8	
Danofloxacin				100.0
Enrofloxacin	100.0			
Erythromycin		100.0		
Florfenicol	100.0			
Gentamicin	97.8		2.2	
Neomycin	97.8		2.2	
Oxytetracycline	75.6	2.2	22.2	
Penicillin	95.6	4.4		
Spectinomycin	4.4	91.1	4.4	
Sulphachloropyridazine	58.3		41.7	
Sulphadimethoxime	68.9		31.1	
Sulphathiazole	33.3		66.7	
Tiamulin	42.2	46.7	11.1	
Tilmicosin	86.7	13.3		
Trimethoprim / Sulphamethoxazole	24.4	66.7	8.9	
Tulathromycin				100.0
Tylosin Tartrate	2.2	8.9	88.9	

PORCINE: *Salmonella* sp.

TESTED: 9

	Interpretations (as%)			
	S	I	R	NI
Ampicillin	66.7		33.3	
Ceftiofur				100.0
Chlortetracycline	33.3		66.7	
Clindamycin			100.0	
Danofloxacin				100.0
Enrofloxacin	100.0			
Florfenicol	11.1	66.7	22.2	
Gentamicin	88.9		11.1	
Neomycin	88.9		11.1	
Oxytetracycline	33.3		66.7	
Penicillin			100.0	
Spectinomycin		55.6	44.4	
Sulphadimethoxime	11.1		88.9	
Tiamulin			100.0	
Tilmicosin			100.0	
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

PORCINE: *Streptococcus suis*

TESTED: 32

	Interpretations (as%)			
	S	I	R	NI
Ampicillin	96.9		3.1	
Ceftiofur				100.0
Chlortetracycline	3.1	28.1	68.8	
Clindamycin	40.6		59.4	
Danofloxacin				100.0
Enrofloxacin	100.0			
Erythromycin	37.5		62.5	
Florfenicol	100.0			
Gentamicin	100.0			
Neomycin	84.4		15.6	
Oxytetracycline	3.1	12.5	84.4	
Penicillin	75.0	18.8	6.3	
Spectinomycin	50.0	34.4	15.6	
Sulphachloropyridazine	37.5		62.5	
Sulphadimethoxime	50.0		50.0	
Sulphathiazole		50.0	50.0	
Tiamulin	78.1	9.4	12.5	
Tilmicosin	43.8		56.3	
Trimethoprim / Sulphamethoxazole	96.9		3.1	
Tulathromycin				100.0
Tylosin Tartrate				100.0

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

EQUINE: *Actinobacillus equuli*

TESTED: 5

	Interpretations (as%)			
	S	I	R	NI
Amikacin	100.0			
Amoxicillin / Clavulanic Acid	100.0			
Ampicillin	100.0			
Cefazolin	100.0			
Cefoxitin	100.0			
Cefpodoxime	100.0			
Ceftiofur				100.0
Cephalothin	100.0			
Chloramphenicol	100.0			
Clindamycin	20.0	60.0	20.0	
Enrofloxacin	100.0			
Erythromycin	20.0	80.0		
Gentamicin	100.0			
Imipenem	100.0			
Marbofloxacin				100.0
Orbifloxacin				100.0
Oxacillin + 2% NaCl	80.0		20.0	
Penicillin			80.0	20.0
Rifampin	100.0			
Tetracycine	80.0		20.0	
Ticarcillin	100.0			
Ticarcillin / Clavulanic Acid	100.0			
Trimethoprim / Sulphamethoxazole	100.0			

EQUINE: *Klebsiella pneumoniae*

TESTED: 11

	Interpretations (as%)			
	S	I	R	NI
Amikacin	100.0			
Amoxicillin / Clavulanic Acid	45.5		54.5	
Ampicillin			100.0	
Cefazolin	45.5		54.5	
Cefoxitin	45.5		54.5	
Cefpodoxime	63.6		36.4	
Ceftiofur				100.0
Cephalothin	45.5		54.5	
Chloramphenicol	54.5		45.5	
Clindamycin			100.0	
Enrofloxacin	90.9	9.1		
Erythromycin			100.0	
Gentamicin	81.8		18.2	
Imipenem	100.0			
Marbofloxacin	100.0			
Orbifloxacin				100.0
Oxacillin + 2% NaCl			100.0	
Penicillin			100.0	
Rifampin			100.0	
Tetracycine	45.5		54.5	
Ticarcillin			100.0	
Ticarcillin / Clavulanic Acid	54.5	27.3	18.2	
Trimethoprim / Sulphamethoxazole	0.0		54.5	

EQUINE: *Rhodococcus equi*

TESTED: 1

	Interpretations (as%)			
	S	I	R	NI
Amikacin	100.0			
Amoxicillin / Clavulanic Acid	100.0			
Ampicillin			100.0	
Cefazolin			100.0	
Cefoxitin	100.0			
Cefpodoxime			100.0	
Ceftiofur				100.0
Cephalothin			100.0	
Chloramphenicol	100.0			
Clindamycin		100.0		
Enrofloxacin		100.0		
Erythromycin	100.0			
Gentamicin	100.0			
Imipenem	100.0			
Marbofloxacin				100.0
Orbifloxacin				100.0
Oxacillin + 2% NaCl			100.0	
Penicillin			100.0	
Rifampin	100.0			
Tetracycine	100.0			
Ticarcillin		100.0		
Ticarcillin / Clavulanic Acid		100.0		
Trimethoprim / Sulphamethoxazole	100.0			

EQUINE: *Salmonella* sp.

TESTED: 6

	Interpretations (as%)			
	S	I	R	NI
Amikacin	100.0			
Amoxicillin / Clavulanic Acid	100.0			
Ampicillin	100.0			
Cefazolin	100.0			
Cefoxitin	100.0			
Cefpodoxime	100.0			
Ceftiofur				100.0
Cephalothin	83.3	16.7		
Chloramphenicol	100.0			
Clindamycin			100.0	
Enrofloxacin	100.0			
Erythromycin			100.0	
Gentamicin	100.0			
Imipenem	100.0			
Marbofloxacin	100.0			
Orbifloxacin				100.0
Oxacillin + 2% NaCl			100.0	
Penicillin			100.0	
Rifampin			100.0	
Tetracycine	83.3		16.7	
Ticarcillin	100.0			
Ticarcillin / Clavulanic Acid	100.0			
Trimethoprim / Sulphamethoxazole	100.0			

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

EQUINE: *Streptococcus equi*

TESTED: 9

	Interpretations (as%)			
	S	I	R	NI
Amikacin	88.9	11.1		
Amoxicillin / Clavulanic Acid	100.0			
Ampicillin	100.0			
Cefazolin	100.0			
Cefoxitin	100.0			
Cefpodoxime	100.0			
Ceftiofur				100.0
Cephalothin	100.0			
Chloramphenicol	88.9	11.1		
Clindamycin	100.0			
Enrofloxacin	33.3	11.1	55.6	
Erythromycin		100.0		
Gentamicin	100.0			
Imipenem	100.0			
Marbofloxacin	11.1	88.9		
Orbifloxacin				100.0
Oxacillin + 2% NaCl	100.0			
Penicillin	100.0			
Rifampin	100.0			
Tetracycine	88.9	11.1		
Ticarcillin	100.0			
Ticarcillin / Clavulanic Acid	100.0			
Trimethoprim / Sulphamethoxazole	100.0			

EQUINE: *Streptococcus equisimilis*

TESTED: 4

	Interpretations (as%)			
	S	I	R	NI
Amikacin	100.0			
Amoxicillin / Clavulanic Acid	100.0			
Ampicillin	100.0			
Cefazolin	100.0			
Cefoxitin	100.0			
Cefpodoxime	100.0			
Ceftiofur				100.0
Cephalothin	100.0			
Chloramphenicol	75.0	25.0		
Clindamycin	100.0			
Enrofloxacin	75.0	25.0		
Erythromycin		100.0		
Gentamicin	100.0			
Imipenem	100.0			
Marbofloxacin	100.0			
Orbifloxacin				100.0
Oxacillin + 2% NaCl	100.0			
Penicillin	100.0			
Rifampin	100.0			
Tetracycine	50.0		50.0	
Ticarcillin	100.0			
Ticarcillin / Clavulanic Acid	100.0			
Trimethoprim / Sulphamethoxazole	100.0			

EQUINE: *Streptococcus zooepidemicus*

TESTED: 47

	Interpretations (as%)			
	S	I	R	NI
Amikacin	93.6	2.1	4.3	
Amoxicillin / Clavulanic Acid	100.0			
Ampicillin	100.0			
Cefazolin	100.0			
Cefoxitin	100.0			
Cefpodoxime	95.7	2.1	2.1	
Ceftiofur	89.4		10.6	
Cephalothin	97.9		2.1	
Chloramphenicol	97.9	2.1		
Clindamycin	100.0			
Enrofloxacin	38.3	59.6	2.1	
Erythromycin		97.9	2.1	
Gentamicin	93.6	4.3	2.1	
Imipenem	100.0			
Marbofloxacin	85.1	14.9		
Orbifloxacin				100.0
Oxacillin + 2% NaCl	100.0			
Penicillin	97.9	2.1		
Rifampin	100.0			
Tetracycine	76.6	8.5	14.9	
Ticarcillin	97.9	2.1		
Ticarcillin / Clavulanic Acid	100.0			
Trimethoprim / Sulphamethoxazole	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

CANINE: *Bordetella bronchiseptica*

TESTED: 11

	Interpretations (as%)			
	S	I	R	NI
Amikacin	100.0			
Amoxicillin / Clavulanic Acid	90.9	9.1		
Ampicillin		27.3	72.7	
Cefazolin			100.0	
Cefoxitin			100.0	
Cefpodoxime			100.0	
Ceftiofur				100.0
Cephalothin		36.4	63.6	
Chloramphenicol	81.8		18.2	
Clindamycin			100.0	
Enrofloxacin	81.8	9.1	9.1	
Erythromycin		81.8	18.2	
Gentamicin	81.8	9.1	9.1	
Imipenem	100.0			
Marbofloxacin				100.0
Orbifloxacin	90.9	9.1		
Oxacillin + 2% NaCl	36.4		63.6	
Penicillin			100.0	
Rifampin	63.6	27.3	9.1	
Tetracycine	90.9	9.1		
Ticarcillin	81.8	9.1	9.1	
Ticarcillin / Clavulanic Acid	90.9		9.1	
Trimethoprim / Sulphamethoxazole	81.8		18.2	

CANINE: *Escherichia coli,* hemolytic

TESTED: 64

	Interpretations (as%)			
	S	I	R	NI
Amikacin	100.0			
Amoxicillin / Clavulanic Acid	89.1	4.7	6.3	
Ampicillin	79.7		20.3	
Cefazolin	92.2		7.8	
Cefoxitin	92.2	1.6	6.3	
Cefpodoxime	93.8	1.6	4.7	
Ceftiofur	90.6	3.1	6.3	
Cephalothin	79.7	10.9	9.4	
Chloramphenicol	87.5	1.6	10.9	
Clindamycin			100.0	
Enrofloxacin	98.4		1.6	
Erythromycin			100.0	
Gentamicin	93.8		6.3	
Imipenem	100.0			
Marbofloxacin	98.4		1.6	
Orbifloxacin	96.9	1.6	1.6	
Oxacillin + 2% NaCl			100.0	
Penicillin			100.0	
Rifampin		10.9	89.1	
Tetracycine	87.5		12.5	
Ticarcillin	81.3		18.8	
Ticarcillin / Clavulanic Acid	89.1	7.8	3.1	
Trimethoprim / Sulphamethoxazole	92.2		7.8	

CANINE: *Escherichia coli* , non-hemolytic

TESTED: 109

	Interpretations (as%)			
	S	I	R	NI
Amikacin	100.0			
Amoxicillin / Clavulanic Acid	76.1	5.5	18.3	
Ampicillin	61.5		38.5	
Cefazolin	75.2	3.7	21.1	
Cefoxitin	83.5	0.9	15.6	
Cefpodoxime	80.7	0.9	18.3	
Ceftiofur	80.7	2.8	16.5	
Cephalothin	45.0	27.5	27.5	
Chloramphenicol	77.1	9.2	13.8	
Clindamycin			100.0	
Enrofloxacin	85.3		14.7	
Erythromycin			100.0	
Gentamicin	89.9		10.1	
Imipenem	100.0			
Marbofloxacin	85.3	0.9	13.8	
Orbifloxacin	84.4	0.9	14.7	
Oxacillin + 2% NaCl	0.9		99.1	
Penicillin			99.1	0.9
Rifampin	0.9	2.8	96.3	
Tetracycine	71.6	0.9	27.5	
Ticarcillin	63.3	3.7	33.0	
Ticarcillin / Clavulanic Acid	74.3	18.3	7.3	
Trimethoprim / Sulphamethoxazole	85.3		14.7	

CANINE: *Klebsiella pneumoniae*

TESTED: 21

	Interpretations (as%)			
	S	I	R	NI
Amikacin	100.0			
Amoxicillin / Clavulanic Acid	71.4		28.6	
Ampicillin			100.0	
Cefazolin	66.7		33.3	
Cefoxitin	76.2		23.8	
Cefpodoxime	85.7		14.3	
Ceftiofur	71.4	14.3	14.3	
Cephalothin	66.7		33.3	
Chloramphenicol	81.0		19.0	
Clindamycin			100.0	
Enrofloxacin	85.7		14.3	
Erythromycin			100.0	
Gentamicin	95.2		4.8	
Imipenem	100.0			
Marbofloxacin	85.7		14.3	
Orbifloxacin	81.0	4.8	14.3	
Oxacillin + 2% NaCl			100.0	
Penicillin			100.0	
Rifampin			100.0	
Tetracycine	71.4		28.6	
Ticarcillin			100.0	
Ticarcillin / Clavulanic Acid	81.0		19.0	
Trimethoprim / Sulphamethoxazole	81.0		19.0	

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

CANINE: *Pasteurella multocida*

TESTED: 41

	Interpretations (as%)			
	S	I	R	NI
Amikacin	97.6		2.4	
Amoxicillin / Clavulanic Acid	90.2		9.8	
Ampicillin	90.2		9.8	
Cefazolin	92.7		7.3	
Cefoxitin	92.7		7.3	
Cefpodoxime	90.2	2.4	7.3	
Ceftiofur				100.0
Cephalothin	95.1	2.4	2.4	
Chloramphenicol	95.1	2.4	2.4	
Clindamycin	36.6	31.7	31.7	
Enrofloxacin	90.2	2.4	7.3	
Erythromycin	70.7	22.0	7.3	
Gentamicin	95.1	2.4	2.4	
Imipenem	92.7		7.3	
Marbofloxacin				100.0
Orbifloxacin	90.2		9.8	
Oxacillin + 2% NaCl	85.4		14.6	
Penicillin	92.9	12.2	4.9	
Rifampin	95.1		4.9	
Tetracycine	90.2	7.3	2.4	
Ticarcillin	92.7	2.4	4.9	
Ticarcillin / Clavulanic Acid	92.7	4.9	2.4	
Trimethoprim / Sulphamethoxazole	90.2	4.9	4.9	

CANINE: *Pseudomonas aeruginosa*

TESTED: 81

	Interpretations (as%)			
	S	I	R	NI
Amikacin	93.8	2.5	3.7	
Amoxicillin / Clavulanic Acid			100.0	
Ampicillin	1.2		98.8	
Cefazolin	1.2		98.8	
Cefoxitin	1.2		98.8	
Cefpodoxime	1.2		98.8	
Ceftiofur				100.0
Cephalothin	1.2		98.8	
Chloramphenicol	2.5	6.2	91.4	
Clindamycin	2.5		97.5	
Enrofloxacin	46.9	29.6	23.5	
Erythromycin	1.2		98.8	
Gentamicin	91.4	3.7	4.9	
Imipenem	90.1	6.2	3.7	
Marbofloxacin				100.0
Orbifloxacin	22.2	48.1	29.6	
Oxacillin + 2% NaCl	6.2		93.8	
Penicillin			98.8	1.2
Rifampin	1.2		98.8	
Tetracycine			100.0	
Ticarcillin	96.3		3.7	
Ticarcillin / Clavulanic Acid	95.1		4.9	
Trimethoprim / Sulphamethoxazole	9.9		90.1	

CANINE: *Staphylococcus intermedius*

TESTED: 125

	Interpretations (as%)			
	S	I	R	NI
Amikacin	95.2		4.8	
Amoxicillin / Clavulanic Acid	94.4		5.6	
Ampicillin	79.2		20.8	
Cefazolin	94.4		5.6	
Cefoxitin	94.4		5.6	
Cefpodoxime	92.0	0.8	7.2	
Ceftiofur	88.8	4.8	6.4	
Cephalothin	94.4		5.6	
Chloramphenicol	92.8	2.4	4.8	
Clindamycin	76.0	4.0	20.0	
Enrofloxacin	92.0	3.2	4.8	
Erythromycin	77.6	1.6	20.8	
Gentamicin	92.0	3.2	4.8	
Imipenem	94.4		5.6	
Marbofloxacin	95.2	0.8	4.0	
Orbifloxacin	88.8	5.6	5.6	
Oxacillin + 2% NaCl	94.4		5.6	
Penicillin	55.2		44.8	
Rifampin	98.4	0.8	0.8	
Tetracycine	64.0	1.6	34.4	
Ticarcillin	94.4		5.6	
Ticarcillin / Clavulanic Acid	94.4		5.6	
Trimethoprim / Sulphamethoxazole	92.8		7.2	

CANINE: *Streptococcus canis*

TESTED: 59

	Interpretations (as%)			
	S	I	R	NI
Amikacin	100.0			
Amoxicillin / Clavulanic Acid	100.0			
Ampicillin	98.3	1.7		
Cefazolin	100.0			
Cefoxitin	100.0			
Cefpodoxime	100.0			
Ceftiofur				100.0
Cephalothin	100.0			
Chloramphenicol	100.0			
Clindamycin	94.9	1.7	3.4	
Enrofloxacin	57.6	37.3	5.1	
Erythromycin		93.2	6.8	
Gentamicin	100.0			
Imipenem	98.3		1.7	
Marbofloxacin	83.1	15.3	1.7	
Orbifloxacin	5.1	93.2	1.7	
Oxacillin + 2% NaCl	98.3		1.7	
Penicillin	98.3	1.7		
Rifampin	10.0			
Tetracycine	55.9	16.9	27.1	
Ticarcillin	100.0			
Ticarcillin / Clavulanic Acid	100.0			
Trimethoprim / Sulphamethoxazole	100.0			

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*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

FELINE: *Pasteurella multocida*

TESTED: 25

	Interpretations (as%)			
	S	I	R	NI
Amikacin	100.0			
Amoxicillin / Clavulanic Acid	100.0			
Ampicillin	96.0		4.0	
Cefazolin	96.0		4.0	
Cefoxitin	96.0		4.0	
Cefpodoxime	92.0	4.0	4.0	
Ceftiofur				100.0
Cephalothin	96.0	4.0		
Chloramphenicol	100.0			
Clindamycin	8.0		92.0	
Enrofloxacin	100.0			
Erythromycin	12.0	84.0	4.0	
Gentamicin	100.0			
Imipenem	100.0			
Marbofloxacin				100.0
Orbifloxacin	100.0			
Oxacillin + 2% NaCl	84.0		16.0	
Penicillin	88.0	8.0	4.0	
Rifampin	100.0			
Tetracycine	100.0			
Ticarcillin	100.0			
Ticarcillin / Clavulanic Acid	100.0			
Trimethoprim / Sulphamethoxazole	100.0			

FELINE: *Staphylococcus intermedius*

TESTED: 10

	Interpretations (as%)			
	S	I	R	NI
Amikacin	100.0			
Amoxicillin / Clavulanic Acid	100.0			
Ampicillin	80.0		20.0	
Cefazolin	100.0			
Cefoxitin	100.0			
Cefpodoxime	100.0			
Ceftiofur	80.0	20.0		
Cephalothin	100.0			
Chloramphenicol	100.0			
Clindamycin	40.0		60.0	
Enrofloxacin	90.0		10.0	
Erythromycin	40.0		60.0	
Gentamicin	100.0			
Imipenem	100.0			
Marbofloxacin	90.0		10.0	
Orbifloxacin	90.0		10.0	
Oxacillin + 2% NaCl	100.0			
Penicillin	40.0		60.0	
Rifampin	100.0			
Tetracycine	70.0		30.0	
Ticarcillin	100.0			
Ticarcillin / Clavulanic Acid	100.0			
Trimethoprim / Sulphamethoxazole	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.