

Antimicrobial Susceptibility profiles of Commonly Identified Veterinary Pathogens isolated by Prairie Diagnostic Services in 2015

		Amoxicillin	Amoxicillin-clavulanic acid	Amikacin	Cefovecin	Cefpodoxime	Ceftiofur	Cephalothin	Cholaphenicol	Clindamycin	Danifloxacin	Erythromycin	Enrofloxacin	Florfenicol	Gentamicin	Marbofloxacin	Oxacillin	Penicillin	Penicillin-novobiocin	Pirlimycin	Tulathromycin	Tetracycline	Tilmicosin	Trimethoprim-sulfamethoxazole
Canine and Feline																								
UTI	<i>Escherichia coli</i>	78 (278)	77 (291)		71 (270)	38 (21)		11 (291)					95 (289)			96 (269)								92 (290)
	<i>Proteus mirabilis</i>	96 (68)	100 (17)		96 (51)	88 (17)		85 (68)					94 (68)			98 (50)								87 (67)
SST	<i>Staphylococcus pseudintermedius</i>																							
	<i>Staphylococcus aureus</i>	25 (8)	85 (20)		93 (136)	58 (12)		90 (20)	95 (20)	90 (20)		80 (20)				75 (8)	75 (12)							90 (20)
	<i>Staphylococcus pseudintermedius</i>	39 (136)	96 (290)		93 (136)	84 (153)		94 (290)	94 (290)	81 (290)		90 (289)				96 (136)	82 (154)							79 (289)
	<i>Staphylococcus schleiferi</i>																							
Bovine																								
Mastitis	<i>Escherichia coli</i>	31 (62)					90 (77)	14 (14)				R					0 (14)		0 (76)	R				
	<i>Staphylococcus aureus</i>	100 (9)					100 (9)	100 (7)				89 (9)					100 (7)		86 (9)	100 (7)				
	<i>Streptococcus agalactiae</i>																							
	<i>Streptococcus dysgalactiae</i>																							
BRD	<i>Streptococcus uberis</i>																							
	<i>Mannheimia haemolytica</i>						100 (12)				98 (113)		99 (113)	98 (125)			96 (125)				74 (125)	82 (125)	98 (123)	
	<i>Pasteurella multocida</i>						100 (11)				100 (92)		45 (11)	99 (103)			100 (9)				98 (101)	92 (103)	96 (92)	
	<i>Histophilus somni</i>						100 (6)				92 (36)		92 (36)	100 (36)			93 (42)				64 (42)	95 (42)	55 (42)	
Equine																								
CIP	<i>Streptococcus equi subspecies zooepidemicus</i>	54 (13)	100 (1)	13 (23)			100 (22)					91 (23)	17 (24)		62 (24)								33 (24)	83 (24)
	<i>Streptococcus equi subspecies equi</i>	91 (11)		45 (11)			91 (11)					91 (11)	54 (11)		82 (11)								64 (11)	91 (11)
Porcine																								
CIP	<i>Streptococcus suis</i>	83 (35)					83 (35)																	
	<i>Escherichia coli</i>	22 (36)					56 (36)																	
	<i>Salmonella spp.</i>																							
Avian																								
CIP	<i>Escherichia coli</i>	48 (194)					68 (197)					R	97 (197)	77 (197)	43 (197)			1 (197)					30 (196)	38 (156)
	<i>Salmonella sp.</i>	100 (3)					100 (3)					100 (3)	100 (3)	100 (3)	100 (3)			100 (3)					100 (3)	100 (3)
	<i>Enterococcus sp.</i>	69 (13)					23 (13)					R	38 (13)	23 (13)	46 (13)			54 (13)					8 (13)	92 (13)

How to read the antibiogram: xx(yy)

XX - percentage of susceptible isolates

(YY) - number of isolates tested

UTI - Urinary Tract Infection

SST - Skin and Soft Tissues

BRD - Bovine Respiratory Disease

CIP - Commonly Identified Pathogen



Intrinsically Resistant



Veterinary specific interpretive criteria available (Zone diameter)



No veterinary interpretive criteria available - human health criteria applied.