

Antimicrobial Susceptibility profiles of Commonly Identified Veterinary Pathogens isolated by Prairie Diagnostic Services in 2016

		Amoxicillin	Amoxicillin-clavulanic acid	Amikacin	Cefovecin	Cefpodoxime	Ceftiofur	Cephalothin	Chlorphenicol	Clindamycin	Danfloxacain	Erythromycin	Enrofloxacin	Florfenicol	Gentamicin	Marbofloxacin	Oxacillin	Penicillin	Penicillin-novobiocin	Pirlimycin	Tulathromycin	Tetracycline	Tilmicosin	Trimethoprim-sulfamethoxazole		
Canine and Feline																										
UTI	<i>Escherichia coli</i>	69 (454)	82 (453)		88 (404)			21 (24)					94 (452)			98 (453)									95 (454)	
	<i>Proteus mirabilis</i>	95 (81)	98 (83)		76 (83)			100 (2)					94 (83)			96 (83)										87 (83)
	<i>Staphylococcus pseudintermedius</i>	23 (162)	95(163)		88 (162)	100 (1)		100 (2)					87 (162)			93 (162)										81 (163)
SST	<i>Staphylococcus aureus</i>		93 (14)			21 (14)			100 (14)	62 (14)		100 (14)					77 (13)								100 (14)	
	<i>Staphylococcus pseudintermedius</i>		90 (159)			85 (159)		86 (7)	96 (159)	82 (158)		91 (159)				0 (1)	82 (159)								82 (159)	
	<i>Staphylococcus schleiferi</i>		100 (28)			100 (28)			100 (28)	100 (28)		68 (28)					96 (28)								100 (27)	
Bovine																										
Mastitis	<i>Escherichia coli</i>	82 (50)					98 (50)	34 (50)				2 (45)					0 (48)		2 (50)	0 (45)						
	<i>Staphylococcus aureus</i>	87 (47)					98 (47)	100 (47)				83 (46)					100 (47)		100 (47)	100 (47)						
	<i>Streptococcus dysgalactiae</i>	100 (22)					100 (22)	100 (22)				82 (22)					100 (22)		100 (22)	91 (22)						
	<i>Streptococcus uberis</i>	100 (34)					100 (34)	97 (34)				79 (33)					38 (34)		100 (34)	74 (34)						
BRD	<i>Mannheimia haemolytica</i>						100 (29)				93 (29)		93 (29)	97 (29)				96 (28)			79 (29)	62 (29)	79 (29)			
	<i>Pasteurella multocida</i>						100 (33)				100 (33)		97 (33)	100 (33)				100 (32)			82 (33)	73 (33)	82 (33)			
	<i>Histophilus somni</i>						100 (2)				100 (2)		100 (2)	100 (2)				100 (2)			100 (2)	100 (2)	100 (2)			
Equine																										
CIP	<i>Streptococcus equi subspecies zooepidemicus</i>	75 (51)		14 (51)			100 (51)					84 (51)	33 (36)		35 (51)			90 (51)					55 (51)		86 (51)	
	<i>Streptococcus equi subspecies equi</i>	71 (7)		43 (7)			100 (7)					100 (7)	40 (5)		100 (7)			86 (7)					100 (7)		100 (7)	
Porcine																										
CIP	<i>Streptococcus suis</i>	100 (43)					95 (43)							79 (43)							14 (43)	14 (43)	26 (43)			
	<i>Escherichia coli</i>	33 (73)					73 (73)							51 (73)							81 (67)	24 (72)	58 (66)			
	<i>Salmonella spp.</i>	59 (17)					76 (17)							65 (17)							65 (17)	35 (17)	35 (17)			
Avian																										
CIP	<i>Escherichia coli</i>	32 (345)					63 (8)					0 (279)	95 (345)	63 (8)	32 (345)			0 (306)				34 (345)			92 (345)	
	<i>Salmonella sp.</i>	57 (7)										0 (6)	100 (7)		86 (7)			0 (6)				71 (7)			100 (7)	
	<i>Enterococcus sp.</i>	90 (51)					0 (1)					24 (51)	39 (51)	0 (1)	55 (51)			82 (51)				24 (51)			61 (51)	

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 - Bpvine Respiratory Disease
 CIP - Commonly Identified Pathogen

 Intrinsically Resistant
 Veterinary specific interpretive criteria available (Zone diameter)
 No veterinary interpretive criteria available - human health criteria applied.