

## Antimicrobial Susceptibility profiles of Commonly Identified Veterinary Pathogens isolated by Prairie Diagnostic Services in 2017

		Amoxicillin	Amoxicillin-clavulanic acid	Amikacin	Cefovecin	Cefpodoxime	Ceftiofur	Cephalothin	Chloramphenicol	Clindamycin	Danofloxacin	Erythromycin	Enrofloxacin	Florfenicol	Gentamicin	Marbofloxacin	Oxacillin	Penicillin	Penicillin-novobiocin	Pirlimycin	Tulathromycin	Tetracycline	Tilmicosin	Trimethoprim-sulfamethoxazole
<b>Canine and Feline</b>																								
UTI	<i>Escherichia coli</i>	70 (345)	88 (345)		88 (345)								96 (345)			98 (344)								97 (346)
	<i>Proteus mirabilis</i>	98 (65)	94 (65)		88 (65)								100 (65)			100 (65)								95 (65)
	<i>Staphylococcus pseudintermedius</i>	20 (69)	97 (69)		94 (69)								96 (69)			99 (69)								
SST	<i>Staphylococcus aureus</i>	7 (15)	87 (38)		100 (15)	22 (23)			95 (38)	83 (23)			95 (38)			100 (15)	33 (18)							100 (38)
	<i>Staphylococcus pseudintermedius</i>	18 (71)	96 (241)		87 (71)	88 (170)			93 (241)	84 (170)			93 (240)			93 (71)	85 (171)							82 (241)
	<i>Staphylococcus schleiferi</i>		94 (18)			83 (18)			94 (18)	94 (18)			50 (18)				72 (18)							94 (18)
<b>Bovine</b>																								
Mastitis	<i>Escherichia coli</i>	73 (27)					97 (37)	30 (37)				0 (32)					0 (32)		0 (37)	0 (37)				
	<i>Staphylococcus aureus</i>	80 (35)					100 (36)	100 (35)				91 (32)					74 (35)		94 (33)	100 (35)				
	<i>Streptococcus dysgalactiae</i>	100 (17)					100 (18)	100 (18)				88 (17)					88 (8)		100 (18)	100 (17)				
	<i>Streptococcus uberis</i>	100 (16)					94 (18)	100 (16)				81 (16)					60 (15)		94 (16)	75 (16)				
BRD	<i>Mannheimia haemolytica</i>						100 (130)				83 (130)		91 (130)	84 (129)				84 (77)			25 (130)	45 (119)	57 (130)	
	<i>Pasteurella multocida</i>						99 (69)				90 (70)		99 (69)	93 (70)				92 (48)			67 (70)	60 (67)	60 (70)	
	<i>Histophilus somni</i>						97 (31)				87 (31)		94 (31)	94 (31)				100 (24)			58 (31)	77 (31)	61 (31)	
<b>Equine</b>																								
CIP	<i>Streptococcus equi subspecies zooepidemicus</i>	76 (59)		14 (59)			100 (59)					90 (59)	24 (59)		31 (49)			93 (59)				42 (59)		83 (59)
	<i>Streptococcus equi subspecies equi</i>	100 (5)		20 (5)			100 (5)					80 (5)	20 (5)		100 (4)			60 (5)				60 (5)		80 (5)
<b>Porcine</b>																								
CIP	<i>Streptococcus suis</i>	93 (97)					92 (97)							57 (97)								7 (97)	5 (97)	9 (92)
	<i>Escherichia coli</i>	25 (72)					54 (74)							43 (74)								54 (71)	15 (74)	84 (73)
	<i>Salmonella spp.</i>	52 (29)					62 (29)							66 (29)								96 (28)	41 (29)	41 (29)
<b>Avian</b>																								
CIP	<i>Escherichia coli</i>	41 (223)										2 (161)	95 (223)		40 (223)			0 (214)				45 (222)		89 (223)
	<i>Salmonella sp.</i>	89 (9)										0 (7)	100 (10)		90 (10)			0 (8)				90 (10)		100 (10)
	<i>Enterococcus sp.</i>	93 (45)										20 (45)	29 (45)		40 (45)			87 (45)				27 (45)		56 (45)

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.  
■ Clinically important drug which is not in our current antimicrobial testing panel  
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