

Antimicrobial Susceptibility profiles of Commonly Identified Veterinary Pathogens isolated by Prairie Diagnostic Services in 2018

		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
Canine and Feline																								
UTI	<i>Escherichia coli</i>	83 (318)	93 (324)		94 (324)							97 (324)				98 (324)								100 (316)
	<i>Proteus mirabilis</i>	90 (68)	94 (68)		84 (68)							97 (68)				99 (68)								93 (67)
	<i>Staphylococcus pseudintermedius</i>	27 (67)	99 (67)		96 (67)								99 (67)				100 (67)							
SST	<i>Staphylococcus aureus</i>		88 (17)			35 (17)			100 (17)	100 (17)		94 (17)					38 (13)							100 (17)
	<i>Staphylococcus pseudintermedius</i>		98 (161)			89 (160)			91 (161)	84 (160)		94 (159)					86 (160)							89 (161)
	<i>Staphylococcus schleiferi</i>		100 (16)			100 (16)			100 (16)	100 (16)		69 (16)					88 (16)							100 (16)
Bovine																								
Mastitis	<i>Escherichia coli</i>	74 (23)					91 (23)	52 (23)				0 (22)					0 (22)		0 (23)	0 (18)				
	<i>Staphylococcus aureus</i>	79 (34)					100 (34)	100 (34)				94 (34)					32 (34)		100 (34)	74 (34)				
	<i>Streptococcus dysgalactiae</i>	100 (9)					100 (9)	100 (9)				100 (9)					83 (6)		100 (9)	100 (7)				
	<i>Streptococcus uberis</i>	100 (12)					93 (14)	100 (14)				85 (13)					0 (7)		100 (13)	92 (13)				
BRD	<i>Mannheimia haemolytica</i>						100 (35)				97 (35)		100 (35)	94 (35)				100 (11)			34 (35)	73 (26)	57 (35)	
	<i>Pasteurella multocida</i>						92 (13)				100 (13)		92 (13)	100 (13)				80 (5)			69 (13)	82 (11)	62 (13)	
	<i>Histophilus somni</i>						100 (7)				100 (7)		100 (7)	100 (7)				100 (7)			57 (7)	83 (6)	86 (7)	
Equine																								
CIP	<i>Streptococcus equi subspecies zooepidemicus</i>	92 (48)		13 (48)			100 (48)					96 (48)	52 (48)		33 (24)			98 (48)				42 (48)		100 (45)
	<i>Streptococcus equi subspecies equi</i>	80 (5)		60 (5)			100 (5)					100 (5)	80 (5)		100 (3)			100 (5)				100 (5)		100 (5)
Porcine																								
CIP	<i>Streptococcus suis</i>	98 (92)					98 (97)							82 (97)								1 (93)	7 (90)	7 (82)
	<i>Escherichia coli</i>	30 (61)					67 (63)							51 (63)								97 (63)	19 (63)	52 (58)
	<i>Salmonella spp.</i>	47 (34)					78 (36)							53 (36)								92 (36)	31 (35)	55 (33)
Avian																								
CIP	<i>Escherichia coli</i>	54 (180)										0 (34)	99 (187)		58 (187)			0 (47)					51 (187)	95 (187)
	<i>Salmonella sp.</i>	70 (10)										0 (2)	100 (10)		80 (10)			0 (4)					50 (10)	100 (10)
	<i>Enterococcus sp.</i>	90 (30)										23 (31)	23 (31)		55 (31)			79 (28)					23 (31)	65 (31)

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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