

Canine Ear Canal Antimicrobial Susceptibility Profiles

Note: The information may be useful to understand susceptibility trends or as aid in making clinical decisions, but may not be accurate for specific disease situations.

Canine Ear Canal	KB Susceptibility Profile of Ear Canal Pathogens Received at ISU VDL in 2007 - 2008									
# tested	E coli	Enc	P aer	Prot	Pseu	S aur	S can	S equs	S int	S schl
	22	13	73	32	6	5	24	17	43	15
	Percent Susceptible***									
Amikacin	95%	23%	86%	100%	83%	100%	4%	6%	100%	100%
Amoxicillin/Clav	50%	100%	3%	94%	0%	100%	100%	94%	86%	87%
Cefpodoxime	86%	38%	1%	94%	0%	100%	100%	94%	86%	87%
Cephalothin	18%	8%	3%	88%	0%	100%	100%	88%	86%	87%
Ciprofloxacin	77%	46%	84%	100%	67%	100%	79%	71%	93%	67%
Clindamycin**	0%	15%	1%	0%	0%	100%	58%	71%	88%	93%
Enrofloxacin**	77%	31%	23%	97%	33%	100%	75%	65%	91%	60%
Gentamicin	77%	69%	84%	97%	83%	100%	50%	41%	91%	87%
Imipenem	100%	100%	89%	91%	50%	100%	92%	100%	91%	93%
Marbofloxacin	77%	31%	67%	100%	50%	100%	83%	76%	91%	67%
Neomycin	86%	31%	33%	91%	33%	100%	4%	0%	88%	100%
Orbifloxacin**	77%	15%	18%	94%	17%	100%	42%	29%	91%	60%
Polymixin B	100%	8%	96%	13%	50%	100%	8%	18%	95%	100%
Tetracycline	77%	62%	0%	13%	17%	60%	29%	29%	74%	100%
Ticarcillin/Clav	68%	54%	88%	100%	33%	100%	100%	100%	88%	87%
Ticarcillin	68%	38%	86%	97%	33%	100%	100%	100%	88%	87%
Tobramycin	77%	38%	93%	97%	50%	100%	17%	6%	91%	100%
Trimeth/Sulfadiazine	82%	92%	4%	97%	33%	100%	96%	94%	84%	100%
Oxacillin	ND	ND	ND	ND	ND	100%	ND	ND	81%	73%
Vancomycin	0%	0%	0%	3%	0%	0%	0%	0%	2%	0%

Key:

- * In vitro antimicrobial test results do not represent therapeutic recommendations from the VDL or personnel therein. Extra/Off label usage of an antimicrobial which is limited/prohibited for certain species may result in legal action by FDA-CVM
- ** These are the only antimicrobials with valid breakpoints correlated with clinical outcome in species presented.
- *** Percent of isolates with a susceptible value.
- **** Methicillin resistant is represented by oxacillin.
- ND Not done

E coli	Escherichia coli	Pseu	Pseudomonas species	S equs	Streptococcus equisimillis
Enc	Enterococcus species	S aur	Staphylococcus aureus	S int	Staphylococcus intermedius
P aer	Pseudomonas aeruginosa	S can	Streptococcus canis	S schl	Staphylococcus schleiferi
Prot	Proteus species	Pseu	Pseudomonas species		