

Porcine 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.

Porcine	MIC Susceptibility Profile of Porcine Pathogens Submitted to ISU VDL in 2008											
# tested	A suis	APP	B bron	E coli	Erys	H ecol	HPS	P mul A	P mul D	S chol	S suis	S typm
	308	103	19	803	25	1139	519	742	429	88	1140	368
	Percent Susceptible***											
Ampicillin	95%	73%	32%	30%	100%	25%	100%	99%	99%	27%	99%	11%
Ceftiofur**	100%	99%	0%	59%	100%	58%	100%	100%	100%	100%	99%	88%
Chlortetracycline	93%	65%	100%	6%	4%	7%	98%	98%	95%	20%	9%	6%
Clindamycin	0%	0%	0%	0%	68%	0%	2%	0%	0%	0%	24%	0%
Danofloxacin	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	ND
Enrofloxacin	100%	98%	100%	96%	100%	100%	100%	100%	100%	100%	97%	99%
Florfenicol**	100%	96%	63%	11%	20%	19%	100%	100%	100%	99%	99%	2%
Gentamicin	95%	4%	95%	67%	0%	60%	93%	97%	97%	100%	92%	75%
Neomycin	83%	3%	95%	63%	0%	55%	78%	98%	97%	100%	54%	72%
Oxytetracycline**	65%	11%	100%	6%	4%	6%	95%	84%	65%	20%	4%	6%
Penicillin	1%	13%	0%	0%	100%	0%	17%	89%	90%	0%	86%	0%
Spectinomycin	0%	1%	0%	0%	56%	1%	62%	2%	1%	0%	9%	0%
Sulfadimethoxine	93%	60%	32%	27%	4%	17%	61%	49%	49%	10%	38%	ND
Tiamulin**	33%	94%	0%	0%	56%	1%	86%	51%	8%	0%	90%	0%
Tilmicosin**	88%	92%	21%	0%	88%	0%	90%	92%	31%	0%	27%	0%
Trimethoprim / Sulphamethoxazole	96%	3%	47%	75%	48%	77%	96%	95%	0%	100%	98%	82%

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

A suis	Actinobacillus suis	H ecol	hemolytic E.coli	S chol	Salmonella choleraesuis
APP	Actinobacillus pleuropneumoniae	HPS	Haemophilus parasuis	S suis	Streptococcus suis
B bron	Bordetella bronchiseptica	Pmul A	Pasteurella multocida Type A	S typm	Salmonella typhimurium
E coli	Escherichia coli	Pmul D	Pasteurella multocida Type D		
Erys	Erysipelothrix				