

Antimicrobial Susceptibility Profiles

- Note: The susceptibility information presented below is a summary of data gathered at ISU VDL for the time period listed. The information may be useful to understand susceptibility trends or as an aid in making clinical decisions, but may not be accurate for specific disease situations.
- 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.
- Data is reported as: % susceptible (# isolates tested) – not all bacteria isolated at ISU VDL have been tested for antimicrobial susceptibility.

Porcine 2021 Susceptibility profile of Porcine pathogens received at ISU VDL in 2021

Data reported as: % susceptible (# isolates tested)

Antibiotic	A suis	APP	B bron	C perf	E coli	Erys	GPS	H ecol	PMul A	PMul D	S equus	S hyi	S suis	Salm B	Salm C1	Salm sp
Ampicillin	90% (347)	86% (87)	0% (105)	83% (71)	26% (700)	100% (23)	94% (908)	27% (2722)	96% (196)	97% (120)	100% (57)	43% (35)	95% (1397)	24% (401)	67% (189)	41% (1004)
Ceftiofur	99% (347)	100% (87)	0% (105)	8% (71)	50% (700)	96% (23)	98% (908)	69% (2715)	95% (196)	90% (120)	100% (57)	100% (35)	93% (1396)	72% (400)	91% (189)	78% (1001)
Clindamycin	0% (347)	1% (87)	0% (105)	21% (71)	0% (700)	52% (23)	4% (908)	NI	0% (196)	0% (120)	14% (57)	43% (35)	10% (1397)	0% (400)	0% (189)	0% (1001)
Enrofloxacin	100% (347)	99% (87)	94% (105)	66% (71)	51% (700)	96% (23)	96% (908)	52% (2722)	99% (196)	100% (120)	54% (57)	86% (35)	93% (1397)	67% (401)	90% (189)	66% (1004)
Florfenicol	94% (347)	98% (87)	71% (105)	86% (71)	6% (700)	13% (23)	98% (908)	9% (2715)	95% (196)	90% (120)	95% (57)	11% (35)	95% (1396)	8% (400)	25% (189)	7% (1001)
Gentamicin	99% (347)	1% (87)	100% (105)	0% (71)	76% (700)	0% (23)	NI	43% (2722)	NI	NI	2% (57)	80% (35)	NI	9% (401)	38% (189)	42% (1004)
Neomycin	91% (347)	1% (87)	95% (105)	0% (71)	75% (700)	0% (23)	39% (908)	45% (2715)	90% (196)	88% (120)	7% (57)	86% (35)	28% (1396)	10% (400)	38% (189)	39% (1001)
Penicillin	0% (347)	46% (87)	0% (105)	72% (71)	0% (700)	96% (23)	57% (908)	0% (2715)	96% (196)	97% (120)	98% (57)	43% (35)	81% (1397)	0% (400)	0% (189)	0% (1001)
Spectinomycin	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Sulfadimethoxine	89% (347)	44% (87)	10% (105)	1% (71)	47% (700)	4% (23)	71% (908)	25% (2715)	42% (196)	37% (120)	98% (57)	97% (35)	42% (1396)	16% (400)	22% (189)	20% (1001)
Tetracycline	21% (347)	11% (87)	NI	13% (71)	17% (700)	0% (23)	NI	10% (2722)	36% (196)	57% (120)	0% (57)	31% (35)	4% (1397)	13% (401)	62% (189)	27% (1004)
Tiamulin	84% (347)	98% (87)	0% (105)	92% (71)	0% (700)	87% (23)	96% (908)	1% (2715)	66% (196)	12% (120)	28% (57)	54% (35)	75% (1396)	0% (400)	1% (189)	0% (1001)
Tildipirosin	NI	99% (87)	100% (105)	0% (71)	NI	NI	NI	NI	99% (196)	100% (120)	0% (57)	0% (35)	NI	NI	NI	NI
Tilmicosin	66% (347)	78% (87)	1% (105)	35% (71)	0% (700)	52% (23)	88% (908)	0% (2715)	92% (196)	73% (120)	49% (57)	40% (35)	19% (1396)	0% (400)	0% (189)	0% (1001)
Trimethoprim/ Sulphamethoxazole	99% (347)	100% (87)	67% (105)	0% (71)	NI	NI	NI	NI	NI	NI	NI	100% (35)	NI	NI	NI	NI
Tulathromycin	NI	99% (87)	100% (105)	0% (71)	NI	NI	NI	NI	98% (196)	100% (120)	0% (57)	0% (35)	NI	NI	NI	NI
Tylosin (Tartrate/Base)	0% (347)	6% (87)	0% (105)	0% (71)	NI	NI	NI	NI	0% (196)	0% (120)	0% (57)	0% (35)	NI	NI	NI	NI