

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

Avian 2010-2012	Susceptibility profile of Avian pathogens received at ISU VDL
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Data reported as: % susceptible (# isolates tested)¹

Antibiotic	E coli	G ana	P mult	Salm B	Salm D	Salm sp
Amoxicillin	79% (143)	100% (10)	100% (3)	96% (23)	100% (22)	91% (32)
Ceftiofur	94% (143)	100% (10)	100% (3)	100% (23)	100% (22)	94% (32)
Clindamycin	0% (143)	0% (10)	0% (3)	0% (23)	0% (22)	0% (32)
Enrofloxacin	97% (143)	100% (10)	100% (3)	100% (23)	100% (22)	100% (32)
Erythromycin	0% (143)	10% (10)	0% (3)	0% (23)	0% (22)	0% (32)
Florfenicol	46% (143)	100% (10)	100% (3)	48% (23)	18% (22)	63% (32)
Gentamicin	81% (143)	100% (10)	100% (3)	96% (23)	100% (22)	78% (32)
Neomycin	87% (143)	70% (10)	100% (3)	96% (23)	100% (22)	91% (32)
Novobiocin	0% (143)	10% (10)	67% (3)	0% (23)	0% (22)	0% (32)
Oxytetracycline	44% (143)	20% (10)	67% (3)	70% (23)	100% (22)	47% (32)
Penicillin	1% (143)	0% (10)	100% (3)	0% (23)	0% (22)	0% (32)
Spectinomycin	2% (143)	0% (10)	0% (3)	0% (23)	0% (22)	0% (32)
Streptomycin	60% (143)	90% (10)	0% (3)	30% (23)	100% (22)	38% (32)
Sulfadimethoxine	53% (143)	70% (10)	33% (3)	17% (23)	32% (22)	41% (32)
Sulphathiazole	62% (143)	40% (10)	33% (3)	70% (23)	95% (22)	69% (32)
Tetracycline	44% (143)	20% (10)	67% (3)	78% (23)	95% (22)	47% (32)
Trimethoprim/Sulphamethoxazole	94% (143)	90% (10)	100% (3)	100% (23)	100% (22)	100% (32)
Tylosin (Tartrate/Base)	0% (143)	10% (10)	0% (3)	0% (23)	0% (22)	0% (32)

² See [Salmonella serotype table](#) on page 18 for most common serotypes isolated within each group