

Coagulase positive
Staphylococcus includes:

- Staphylococcus aureus
- Staphylococcus intermedius
- Staphylococcus schleiferi
ssp. coagulans
- Coagulase positive staphylococcus-
methicillin resistant
- Staphylococcus aureus-
methicillin resistant
- Staphylococcus intermedius-
methicillin resistant organisms

According to the Clinical and Laboratory Standards Institute, % susceptibility values with < 30 unique isolates tested have wide 95% confidence intervals, and should be interpreted with caution.

**For additional information, contact
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Equine | Bovine | Avian
**Prevalent Pathogens
& Antimicrobial
Susceptibility Patterns**

January 1, 2017 to December 31, 2018



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Equine, Bovine, and Avian 2016 – 2018⁽¹⁾ Percent Susceptible

Equine

	<i>Pseudomonas aeruginosa</i>	<i>Escherichia coli</i>	Beta Hemolytic Streptococci	<i>Staphylococcus aureus</i>
Maximum # tested	53	115	534	102
Ampicillin	0%	85%	100%	58%
Penicillin	-	-	100%	58%
Oxacillin ⁽²⁾	-	-	-	92%
Cefazolin	0%	85%	100%	92%
Ceftazidime	100%	95%	-	-
Ceftiofur	0%	93%	100%	92%
Imipenem	92%	100%	100%	92%
Enrofloxacin	74%	97%	25%	91%
Erythromycin	-	-	98%	92%
Amikacin	96%	97%	23%	76%
Gentamicin	79%	90%	-	76%
Doxycycline	0%	90%	89%	88%
Tetracycline	0%	89%	78%	75%
Chloramphenicol	0%	95%	100%	99%
Trimethoprim/Sulphamethoxazole	0%	79%	99%	74%
Azithromycin	-	0%	100%	93%
Clarithromycin	-	-	-	94%
Rifampin ⁽³⁾	-	-	-	95%

Bovine

	<i>Salmonella</i> species
Maximum # tested	72
Ampicillin	39%
Ceftiofur	70%
Enrofloxacin	97%
Gentamicin	100%
Neomycin	93%
Spectinomycin	94%
Chlortetracycline	67%
Oxytetracycline	67%
Florfenicol	47%
Sulphadimethoxine	57%
Trimethoprim/Sulphamethoxazole	97%

Avian

	<i>Enterococcus faecalis</i>	<i>Escherichia coli</i>
Maximum # tested	13	39
Amoxicillin	100%	72%
Penicillin	92%	-
Ceftiofur	0%	95%
Enrofloxacin	46%	79%
Clindamycin	0%	-
Erythromycin	46%	-
Gentamicin	-	90%
Neomycin	-	95%
Spectinomycin	-	77%
Oxytetracycline	31%	67%
Tetracycline	23%	69%
Florfenicol	-	15%
Sulphadimethoxine	0%	59%
Trimethoprim/Sulphamethoxazole	0%	77%

⁽¹⁾Multiple years of data were analyzed to gain greater statistical significance.

⁽²⁾Oxacillin susceptibility in the staphylococci predicts susceptibility to all anti-staphylococcal penicillins, cephalosporins, carbapenems, and beta lactam/beta lactamase inhibitor combination drugs.