NDSU Veterinary DIAGNOSTIC LABORATORY

2019 Cumulative antibiograms for select bovine isolates

  Antibiograms are cumulative antimicrobial susceptibility test (AST) reports of select bacterial isolates intended to show resistance trends over time. They are useful in monitoring antimicrobial resistance in a population over time and help clinicians choose empiric therapy until an AST report is available from the laboratory for a particular isolate.

  This report was assembled using laboratory data from selected animal species and sample sources with at least 30 different AST reports of a bacterial isolate. Most isolates originated from samples submitted from animals from North Dakota and Minnesota. Duplicate samples were eliminated by including only the first submission of a sample in the antibiogram report, if a specimen from the same location was submitted multiple times.

  Antibiograms do not represent isolates from all patient populations and may vary greatly by geographic region or species. Antibiograms are intended for use in conjunction with traditional culture and sensitivity testing; samples must still be sent to the laboratory for testing. To obtain reliable results samples should always be collected prior to administering antimicrobial therapy.

2019* Bovine Antibiograms- Represented as percent susceptible	*Mannheimia haemolytica-* (Respiratory)	*Pasteurella multocida-* (Respiratory)
Number of isolates tested	**83**	**85**
Ampicillin	95	96
Ceftiofur	100	100
Danofloxacin	95	95
Enrofloxacin	98	95
Florfenicol	96	99
Gamithromycin	95	95
Penicillin	95	94
Spectinomycin	95	89
Tetracyclines	94	82
Tildipirosin	98	93
Tilmicosin	92	92
Tulathromycin	85	94