2020 Cumulative antibiograms for select bovine respiratory 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.

2020 Bovine Antibiograms- Represented as percent susceptible	*Histophilus somni*	*Mannheimia haemolytica*	*Pasteurella multocida*
Number of isolates tested	**30**	**81**	**71**
Ampicillin	90	99	100
Ceftiofur	97	100	100
Danofloxacin	97	100	97
Enrofloxacin	100	99	97
Florfenicol	97	98	99
Gamithromycin	93	96	97
Penicillin	70	95	97
Spectinomycin	97	98	89
Tetracycline	73	90	85
Tildipirosin	93	96	99
Tilmicosin	93	94	94
Tulathromycin	93	94	99