



279 Research paper

Antimicrobial Susceptibility Profile of Microbial Pathogens Isolated From Calves With Respiratory Diseases

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In Significant Impact Groups:

Pathogen management \ Managing sick animals Targeted use of

Species targeted: Dairy;Beef;

Age: Young;

Summary:

Respiratory disease are frequent in calves due to the weaning stress, transport and environmental changes. The aim of this study was isolate bacteria from 30 calves with respiratory disorders and test their antimicrobial susceptibility. Samples were collected from calves with respiratory disorders (nasal discharge) aged 6 to 9 weeks in 2 series, using sterile swabs. The study carried out on nasal discharge samples collected from calves with respiratory disorders and their antimicrobial profile testing led to the following conclusions: 1) Low susceptibility to Florfenicol is caused by previous treatments when this molecule was excessively used and without prior sensitivity testing. 2) Cefquinome may represent an emergency therapeutic antibiotic for respiratory infections in calves, but the administration should always be preceded by susceptibility testing of the isolates.

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Where to find the original material:

<https://journals.usamvcluj.ro/index.php/veterinary/article/view/12151/0>;

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