

SUMMARY

The Isolation, Serotyping and Antimicrobial Susceptibility of *Pasteurella multocida* strains in cattle in the region of Aydın and İzmir

In this study, a total of 570 intratracheal swabs were examined for the *Pasteurella multocida* isolation that were taken 350 of from İzmir region slaughterhouse and were taken 220 of from Aydın region slaughterhouse.

P. multocida was identified from 28 (4,9%) of 570 intratracheal swabs that were examined in this study. *Pasteurella multocida* was identified from 18 (5,14%) of 350 in İzmir region and 10 (4,54) of 220 in Aydın region.

In the study, a total of 28 field *Pasteurella multocida* strains were serotyped as ; 15 (53,6 %) type B, 10 (35,7%) type A and 1 (3,5%) type D, respectively. Of 2 *Pasteurella multocida* strains were untypeable.

The *Pasteurella multocida* strains were found to be susceptible to Flourphenicol (93,0 %), Enrofloxacin (61,0 %), Oxytetracycline (54,0 %) and were found to be resistant to Erythromycin (82,0 %), Sulphamethoxazole-Trimethoprim (82,0 %), Gentamycin (64,0 %) and Amoxicillin-Clavulanic acid (61,0 %).

Key words: *Pasteurella multocida*, isolation, identification, serotyping