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Seroprevalence of Brucellosis among Animals in Himachal Pradesh

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ABSTRACT

The aim of present study was to investigate the seroprevalence of brucellosis among animals in Himachal Pradesh. A total of 210 serum samples that were obtained from animals (110 from cattle and 100 from sheep and goat) from various regions of the state were screened through a battery of serological tests, which included RBPT, STAT, 2-MET, Dot- ELISA and Indirect-ELISA. With an overall seroprevalence of 13.08% among animals, the prevalence of brucellosis was detected in 11.08% and 16% samples from cattle and sheep and goat, respectively. Concluding on the efficacy of serological tests employed, I-ELISA and d-ELISA proved better than others in the diagnosis of the brucellosis and a battery of the serological tests should be used to get the accurate picture.

Keywords: Brucellosis, cattle, goat, Himachal Pradesh, sheep

Brucellosis is a zoonotic disease that still is one of the major veterinary public health and economic concerns globally. It is an important deceptive

present investigation was carried out for assessing the seroprevalence of brucellosis in animals. Aseptic collection of blood was done from sheep, goat and