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Seroprevalence of Contagious Caprine Pleuropneumonia in goats in Nagpur district of Vidarbha region

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Abstract

A total of 294 serum samples were collected from apparently healthy goats of different age and sex from 13 tehsils of Nagpur district. All the samples were screened for Contagious Caprine Pleuro Pneumonia antibodies by slide agglutination test using colored CCPP antigen. Out of 294 serum samples screened 99 were found to be positive indicating overall seroprevalence of 33.67 per cent. The higher prevalence was observed in Saoner tehsil (44.44%) followed by Bhivapur (41.46%), Kalmeshwar (40.00 %) and Kamptee (38.46%). The higher incidence in these tehsils could be attributed to the presence of endemic foci in this area. Slide agglutination test for CCPP detection using colored antigen was found to be quick, simple, low cost with ease of application in the field without the need of any specialized training and equipments.

Keywords: Seroprevalence, Contagious Caprine Pleuropneumonia, Goat, Vidarbha region.