

SERO-EPIDEMIOLOGY OF CAMEL (*Camelus dromedarius*) BRUCELLOSIS

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ABSTRACT

Brucellosis is an emerging zoonotic bacterial disease of ruminants and also reported in camels. Camels are one of the most important sources of livelihood for the poor nomadic population in Gujarat. The present study was aimed to determine the brucella specific antibodies in camel using RBPT and i-ELISA. On screening of 658 serum samples, 131(19.90%) and 78 (11.85%) samples found to be positive by RBPT and i-ELISA, respectively. Prevalence rate of brucellosis in different categories *viz.* herd size, physiological status, sex, district, region and breed were calculated. Susceptibility of brucellosis in different categories was also compared by using chi-square test.

Key words: Brucellosis, camels, i-ELISA, RBPT, seroprevalance