



# Sero-prevalence of infectious bronchitis in Ranchi Jharkhand

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**Abstract :** ELISA and AGID based seroprevalence study of 92 suspected poultry samples in and around Ranchi district of central and western plateau agro-climatic zone in and around Ranchi district, Jharkhand during 2014-15 were 93.48 per cent and 53.26 per cent, respectively. The sensitivity and specificity of AGID was 52.33 per cent and 33.33 per cent, respectively taking ELISA as gold standard test. ELISA and AGID were found significant on standard method of statistical analysis. As per available literature seroprevalence of IB has not been reported by any worker from Ranchi, Jharkhand, however individual cases had been reported. It seems to be the first report from this area which clearly indicates extremely high IB seroprevalence without showing gross pathological lesion.

**Key words :** AGID, ELISA, IB, Seroprevalence

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