

EPIDEMIOLOGICAL CHARACTERISTICS OF GUMBORO DISEASE IN CHICKENS AT FIVE PROVINCES OF THE MEKONG DELTA

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Summary

Eighty-eight epidemiological outbreaks from An Giang, Can Tho, Hau Giang, Vinh Long, Ben Tre province/city were surveyed. Collect the samples from avian feces by using the swab. Enzyme Linked Immuno Sorbent Assay (ELISA) was used to detect virus and viral antibodies from the samples. The study results showed that: 39 out of 88 of outbreaks (44.3%) were antibody positive to Gumboro disease virus. Gumboro disease mostly happened in 21 - 42 day old chickens (57.4%), the incidence rate in chicken of more than 42 days old was low (23.5%). Scavenging chickens had lower incidence rate of Gumboro disease (29.0%) than that of chickens in cage (57.1%) and that of half scavenging chickens (56.5%). The Noi chickens had better resistance to Gumboro disease than Luong Phuong, Tau Vang anh Binh Dinh chickens.

Keywords: *Epidemiology, Gumboro, chickens, ELISA, Mekong delta.*