



KEY WORDS

- ✓ Chick
- ✓ CIAV
- ✓ MDA CAT
- ✓ ANTIBODY
- ✓ ELISA

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MOLECULAR DISSECTION OF CIAV IN CHICKEN DERIVED FROM BROILER REEDER AND EVOLUTION OF CIAV IN THEIR BLOOD SERA

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THESIS ABSTRACT

This study was conducted to determine the presence and prevalence of Chicken Infectious Anemia Virus, which causes significant losses by causing clinical anemia and immunosuppression in chicks, using the MDA-CAT method. It was also evaluated alongside maternal antibody levels in chicks. Consequently, by providing data on CIAV vaccines currently used or to be used in Turkey, it aims to make original contributions to the literature and pave the way for the development of effective control strategies for the sector.

APPLICATION AREAS OF THE THESIS RESULTS

The study's data, which determined the high prevalence of Chicken Infectious Anemia Virus in chicks using the MDA-CAT method, which detects this virus with high sensitivity and specificity, are original and of significant importance for animal health. The data obtained, along with maternal antibody levels for a current virus circulating in the poultry industry, offers the opportunity for direct application in areas such as improving disease control strategies and strengthening epidemiological surveillance. It is believed that it will contribute unbiased data to national literature and legislation regarding vaccination information.

ACADEMIC ACTIVITIES

1. İlhan Z, Hasdoğan H, Gökmen M. First Report on the Isolation of *Salmonella enterica* subsp. *enterica* Serovar Hofit in Wild Boars (*Sus scrofa*) in Türkiye. *Foodborne Pathog Dis*. Published online July 25, 2025. doi:10.1177/15353141251362297
2. Hasdoğan, H. (2025). Important agents causing infection in the cattle respiratory system and the situation in Türkiye. 9th International Icontech Congress, 1-2 April 2025, Azerbaijan Cooperation University, Baku. Azerbaijan. ss.316.