

7. SUMMARY

In our study, 23 blood samples were taken from 10 hatcheries containing 10000 chicken, per sampling 230, and at the end of the study, 1610 samples were taken in the days 0, 7, 14, 21, 28, 33, 42. Blood serum were separated and they were analyzed by test kit of Infectious Bursal Disease (Code:CK113, Lot No: FS4925, Exp. Date:31/05/2010) Biocheck Corporation.

Serum samples taken from hatcheries were evaluated by ELISA IBDV antibody in the days 0, 7, 14, 21, 28, 33, 42. and according to the hatchery companies, for company A, study group average ratio is: 1572, 705, 107, 3542, 7832, 7844, 12477 and average CV % value is 43, 65, 46, 81, 32, 66, 31, control group: 1572, 946,108, 453, 9143, 5758,13525, and average CV value: 43, 56, 68, 158, 27, 46, 24. For company B, study group average ratio is: 1557, 745, 117, 3585, 7932, 7976, 12688 and average CV % value is 43, 62, 56, 71, 32, 64, 33, control group: 1557, 880,105, 412, 8972, 5342,12535, and average CV value: 43, 52, 65, 122, 29, 48, 21. According to the titer values identified by Biocheck Corporation, 5000-14000 titer immunization comprised for IBD at the end of immune kompleks vaccine application.

As a result of the study, it is seen that, antibody response develops 1 week earlier in Transmune IBD vaccine group than in control group

Keywords: Gumboro, Broiler, Transmune IBD vaccine, ELISA