

## Evaluation of B1 and Lasota Vaccines for Hyperimmunization of Breeder Flocks in Production Phase

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### Abstract

Newcastle disease virus (NDV) is a highly contagious agent that infects many species of birds. Several strategies have been applied to lessen its severe economic losses to poultry industry. To control NDV infection, vaccination schedules followed strictly in many countries. In this study, B1 and Lasota vaccines are applied for hyperimmunization of breeder flock in production phase. Five thousand 25 weeks old broiler breeders were divided into 4 groups. Every 5 weeks, 16 birds of each group bled. Hemagglutination inhibition (HI) test was used as standard serological assay for determination of anti-NDV antibodies. It was concluded that B1 and Lasota vaccines significantly increase HI antibody titer in vaccinated birds. Also, B1 vaccination improved production percent of flocks.

**Keywords:** B1 vaccine, breeder flock, hyper immunization, Lasota vaccine, Newcastle disease.