

VAKSIMUNE IB

Protection against
Infectious Bronchitis

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VAKSIMUNE® IB

Challenges & Our Commitment:

Infectious Bronchitis (IB) is a member of the family Coronaviridae. Infectious Bronchitis Virus (IBV) primarily and initially infects the trachea but also targets the kidneys, oviduct, and other epithelial surfaces. IBV infection significantly impacts poultry health, leading to reduced performance in broilers and a notable decline in egg production in laying birds. According to research published in Avian Pathology, "IBV continues to pose a substantial threat to poultry health worldwide, necessitating effective vaccination strategies to mitigate its impact" (Cavanagh, 2007).

We offer live vaccines for use in broilers and for the initial vaccination of breeders and layers. VAKSIMUNE® IB, containing the H120 strain, provides robust protection against the classic IBV strain, ensuring comprehensive protection across diverse viral challenges.



Features:

VAKSIMUNE® IB is a freeze dried live vaccine virus, each dose contains :

Infectious Bronchitis H120 strain > $10^{3.5}$ EID_{50}

VAKSIMUNE® IB is propagated in embryonated Specific Pathogen Free (SPF) chicken eggs.

Vaccination Strategy
Broiler : 1-7 days ; 14-21 Days
Breeder/Layers :1-7 days ; 14-21 Days; 8 weeks
***Consult a veterinarian for a professional advice**

Vaccine Administration :
Drinking Water, Eye Drop, Coarse Spray

Packing size:
Available in 1000 & 2000 Doses

Vaksimune® IB Benefit

Minimum Post Vaccine Reaction

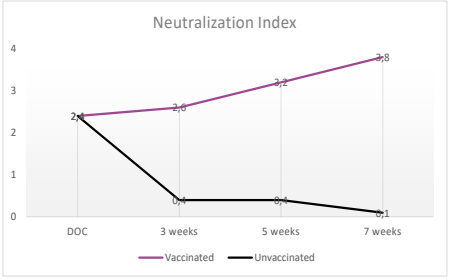
VAKSIMUNE® IB, with the classical H120 strain, produce fewer post-vaccination reactions compared to other strains, making it suitable for use in younger birds and minimizing stress and adverse reactions.

Essential for Vaccination Programs

As a crucial component of poultry vaccination programs, VAKSIMUNE® IB reduces the incidence of IB-related respiratory diseases, enhancing overall flock health and productivity.

Strong Immune Response

The H120 strain in VAKSIMUNE® IB elicits a robust and lasting immune response.



Understanding the Neutralization Index (NI) Test and Protective Levels

The Neutralization Index (NI) test measures the ability of antibodies in a chicken's blood to neutralize the Infectious Bronchitis Virus (IBV), with a minimum protective NI level set at 2.0. Data reveals that both vaccinated and unvaccinated chickens start with an NI of 2.4 at 3 weeks old due to maternal antibodies. However, by 5 weeks, the NI in unvaccinated chickens drops to 0.4, indicating a lack of further immune development. In contrast, vaccinated chickens, specifically with Vaksimune IB, show an NI increase to 3.8 by 9 weeks, highlighting a strong immune response.

The Critical Role of Vaksimune IB in Protecting Poultry

These results underscore the critical role of Vaksimune IB in maintaining and enhancing immunity against IBV. The vaccine ensures that chickens remain well above the minimum protective NI level, effectively protecting them from IBV and reducing the risk of infection and disease spread. By surpassing the protective threshold, Vaksimune IB is an essential component in the vaccination program, safeguarding the health and productivity of poultry flocks.

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