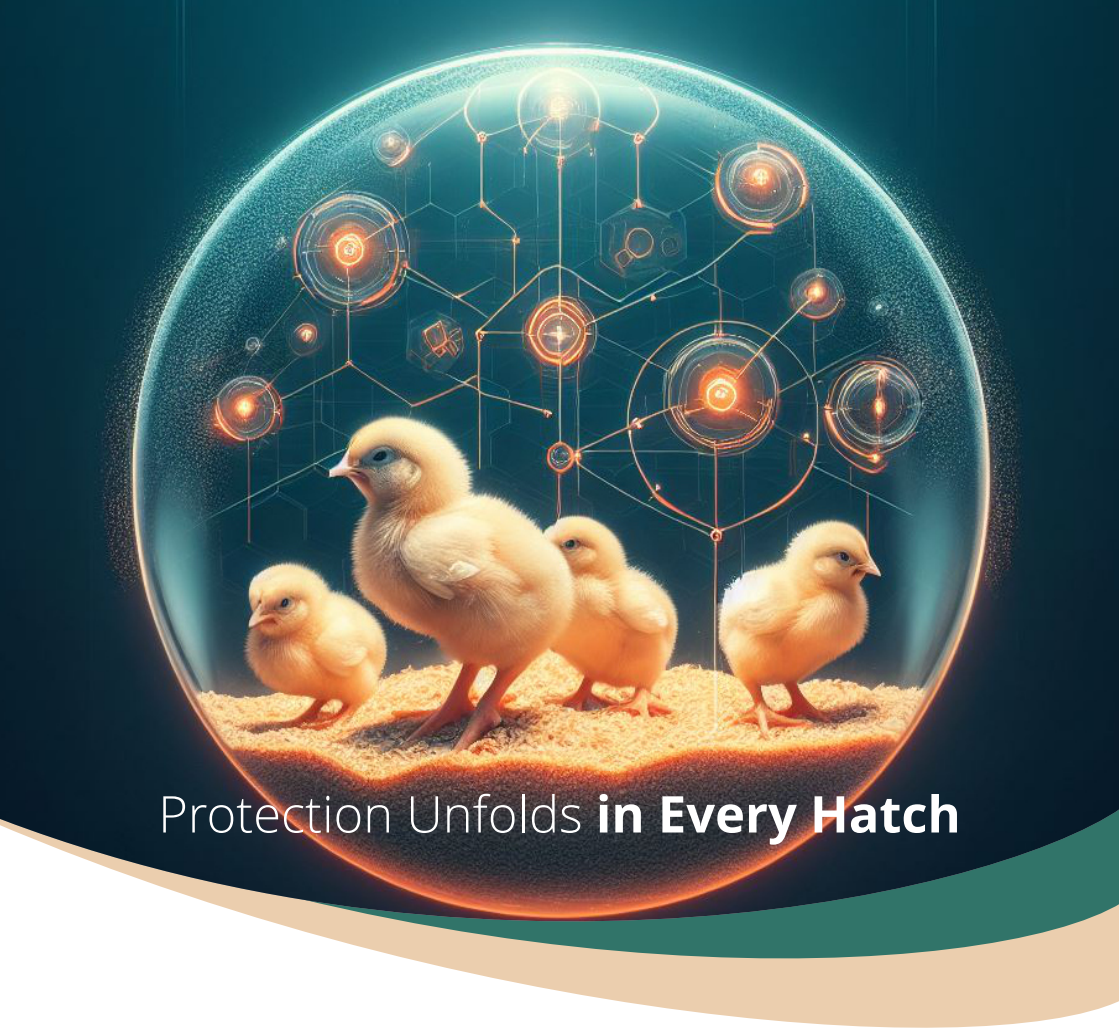


VAKSIMUNE®
NDHV IB

HATCHERY VACCINE AGAINST
NEWCASTLE DISEASE &
INFECTIOUS BRONCHITIS

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VAKSIMUNE® NDHV IB

Challenges & Our Commitment:

Newcastle Disease (ND) and Infectious Bronchitis (IB) pose significant challenges to poultry farmers worldwide. The highly contagious nature of these viruses, coupled with the diversity of strains, makes comprehensive protection through vaccination an ongoing challenge. The clinical signs of ND and IB often mimic other respiratory diseases, complicating diagnosis and management. Treatment options are limited to supportive care and antibiotics, which can be costly and disruptive to farm operations (Miller & Koch, 2013).

Incorporating Vaksimune NDHV IB into hatchery programs is a proactive approach to disease management, offering reliable protection against ND and IB from the outset. This early intervention is crucial in reducing the overall disease burden and minimizing the need for costly biosecurity measures on the farm.

Features:

VAKSIMUNE® NDHV IB a freze dried modified live virus,each dose contains :

Newcastle Disease Ulster Strain **> $10^{6.5}$ EID_{50}**
Infectious Bronchitis H120 Strain **> $10^{3.5}$ EID_{50}**

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



Vaccination Strategy:
Broiler/Breeder/Layer: : Day one at Hatchery

Vaccine Administration :
Vaccine can be administered via spray

Packing size:
Available in 1000 & 2000 Doses

VAKSIMUNE® NDHV IB Benefits

Enchanced Protection Against ND & IB

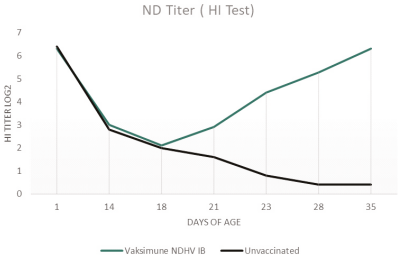
The field trial showed that Vaksimune NDHV IB provided 100% protection against a virulent ND virus and stimulated a high Neutralization Index (NI) against IB, ensuring strong immunity.

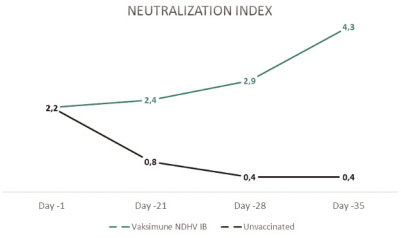
No Adverse Vaccination Reaction

Vaksimune NDHV IB showed no side effects in the vaccinated birds, making it a safer option for maintaining flock health without compromising on efficacy.

Equivalent Efficacy to Separate Vaccines

Vaksimune NDHV IB matched the effectiveness of separate ND and IB vaccines, providing strong protection without vaccine interference, offering a convenient solution for farmers.





Early Vaccination, Sustained Protection

VAKSIMUNE® NDHV IB vaccinated on day 1, demonstrates a strong immune response over time, with a significant increase in HI titer by day 35, indicating effective protection against ND. In contrast, the unvaccinated group shows a continuous decline in immunity, with little to no protection by day 35. This highlights the efficacy of the Vaksimune NDHV IB vaccine in maintaining high ND immunity levels from early on, ensuring sustained protection as the birds grow.

Proven Protection on Challenge Test

The graph tracks the Neutralization Index (NI) of Infectious Bronchitis (IB) after day 1 vaccination with Vaksimune NDHV IB, showing that the vaccinated group starts at 2.2 and steadily increases to 4.3 by day 35, demonstrating a strong and effective immune response. In contrast, the unvaccinated group remains below the protective threshold, with the NI dropping to 0.4 by day 35, offering no significant protection. This highlights the advantage of VAKSIMUNE® NDHV IB

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