VAKSIMUNE®
NDL IBPlus EDS

NEWCASTLE DISEASE GENOTYPE VII
TRIPLE IB (IB M41 + IB 771 + IB QX)
EGG DROP SYNDROME

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VAKSIMUNE®NDL IBPlus EDS

Challenges & Our Commitment:

Poultry producers faced with challenges posed by Newcastle Disease (ND), Infectious Bronchitis (IB), and Egg Drop Syndrome (EDS), each disease presenting distinct hurdles to maintaining flock health and optimizing productivity. ND's severe impact on mortality and egg production necessitates high potency vaccines, especially to counter the panzootic ND Genotype VII strain. IB complicates matters further with its multiple strains, including QX variant. EDS adds to the industry's challenges by causing significant drops in egg production and quality. The diversity of these diseases underscores the critical need for comprehensive vaccination strategies to ensure effective protection against the spectrum of pathogens threatening poultry operations.

Features:

VAKSIMUNE® NDL IBPlus EDS is an inactivated Newcastle Disease Genotype VII vaccine, trivalent Infectious Bronchitis, and Egg Drop Syndrome, formulated with an oil adjuvant. Each dose contains:

Newcastle Disease Genotype VII > $10^{8.5}$ EID_{50}
Infectious Bronchitis M41 Strain > $10^{5.9}$ EID_{50}
Infectious Bronchitis 771 Strain > $10^{5.9}$ EID_{50}
Infectious Bronchitis QX Strain > $10^{5.9}$ EID_{50}
Egg Drop Syndrome > $10^{7.5}$ EID_{50}

Vaccination Strategy for breeder/layer:
13 -15 weeks
**Further consultation with responsible veterinarian*

Vaccine Administration :
Vaccine can be administered via Intramuscular / subcutaneous injection

Packing size:
Available in 500 & 1000 Doses

Benefits of Vaksimune® NDL IBPlus EDS

Broad Spectrum Protection

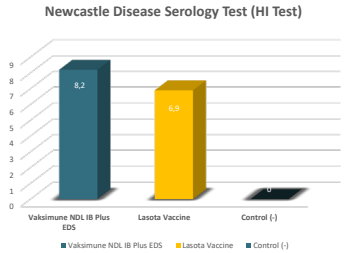
VAKSIMUNE® NDL IBPlus EDS provides broad-spectrum protection against key poultry diseases including ND Genotype VII, IB strains (M41, 771, and QX), and EDS in one vaccine.

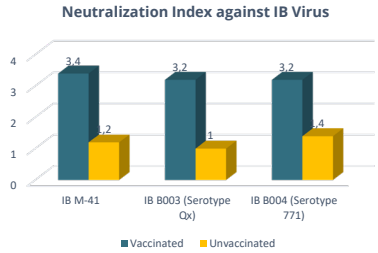
Matching Solution

GI-19 (QX strain), GI-13 (771 strain), and GI-1 (Massachusetts strain) are major global Infectious Bronchitis (IB) strains, known for their widespread prevalence and significant impact on poultry health.

High Antigen Content for Optimal Efficacy

VAKSIMUNE® NDL IBPlus EDS is formulated with a high antigen content, ensuring the vaccine's effectiveness in generating a strong immune response.





Newcastle Disease GVII vs Lasota Serology Test
The field trial of the VAKSIMUNE® NDL-IBPlus-EDS vaccine showed a significant increase in immune response against Newcastle Disease (ND), with a Hemagglutination Inhibition (HI) serological titer reaching $2^{8.1}$ fourteen days post-vaccination, compared to the regular Lasota Vaccine, which achieved a titer of $2^{6.5}$. Achieving a titer above the minimum protective antibody level of 16 HIU—or 24 for ND is critical to effectively preventing mortality. To prevent against egg drop production, a very high and precisely matching titer is essential for optimal protection.

Infectious Bronchitis Viral Netralization Test
The effectiveness of the VAKSIMUNE® NDL-IBPlus-EDS vaccine against Infectious Bronchitis (IB) is underscored by the comparative analysis of Neutralization Index (NI) values between vaccinated and unvaccinated groups. Two weeks post-vaccination, the vaccinated group displayed higher NI values (3.4 for IB M41, 3.2 for IB QX B003, and 3.2 for IB QX-like B004) than the unvaccinated group, with NIs above the protective threshold of 2.0. This contrasts with the unvaccinated group, which showed NIs below 2.0, emphasizing the vaccine's broad-spectrum efficacy in providing critical protection against various IB strains.

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