



"Smooth as Silk"
Effortless Protection with
Minimal Post Vaccine
Reaction

VAKSIMUNE® **ND Clone IB**

Protections Against
**Newcastle Disease and Infectious
Bronchitis**



VAKSIMUNE® ND Clone IB

Challenges & Our Commitment:

Newcastle Disease (ND) and Infectious Bronchitis (IB) present significant challenges for poultry farmers. The highly contagious nature of the viruses, coupled with diverse strains, makes complete protection through vaccination difficult. Diagnosis is complicated by similar signs to other respiratory diseases, and treatment options are limited to supportive care and antibiotics. Control measures, including biosecurity protocols, are costly and disruptive.

However, vaccination is a key tool in preventing ND outbreaks. Using live vaccines, like the Clone strain, can provide strong immunity at a low risk of side effects. This helps safeguard poultry health on farms.

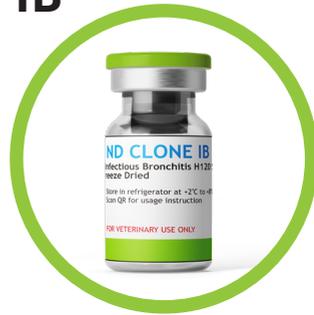
Features:

VAKSIMUNE® ND Clone IB is a Freeze dried modified live virus, each dose contains:

Newcastle Disease Clone Strain > 10^{4.5} EID₅₀

Infectious Bronchitis H120 Strain > 10^{9.0} ID₅₀

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



Vaccination Strategy :

Broiler : 1-7 Days, 14-21 Days

Vaccination Strategy for Breeder/Layer:

Breeder/Layer : 1-7 Days, 14-21 Days, 8 Weeks

Vaccine Administration :

Drinking Water, Eye Drop, Coarse Spray

Packing size: Available in 1000 & 2000 Doses

VAKSIMUNE® ND Clone IB Benefits



Minimal Post Vaccine Reaction

VAKSIMUNE® ND Clone IB stands out by delivering unparalleled protection while minimizing post-vaccination reactions. This ensures that chickens receive immunity without unnecessary stress or adverse effects.



Optimized Immune Response

VAKSIMUNE® ND Clone IB induces a robust and efficient immune response, ensuring that the broiler chickens are well-equipped to defend against ND and IB infections.



Induce Local and Humoral Immunity

VAKSIMUNE® ND Clone IB induces both humoral and cellular immunity. This ensures the production of high-affinity antibodies, establishing a defense and long-term immune memory.

When to use ND Clone vaccine strain ?

A study found that a clone-selected Lasota strain of ND was more immunogenic than the B1 strain. It also maintained the same pathogenic index as the B1 strain, indicating a balanced efficacy and safety profile (Eidson & Kleven, 1980).

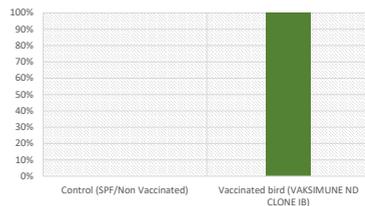
Cloned strains are selected for increased efficacy and reduced post-vaccine reactions, making them an improved version of the parent LaSota virus. This means they maintain the efficacy of LaSota while minimizing adverse reactions.

The Clone strain shows a good balance between immunogenicity and pathogenicity. While it is slightly less immunogenic than the regular Lasota strain, its potential for reduced post-vaccinal reactions can be beneficial, particularly when prioritizing the well-being of poultry and minimizing stress, especially in young birds which is very sensitive to stress.

Citation :

Eidson, C., & Kleven, S. (1980). Vaccination of chickens with a clone-selected Lasota strain of Newcastle disease virus. *Poultry science*, 59 5, 976-84. <https://doi.org/10.3382/PS.0590976>.

% Survival Rate



Proven Challenge Test

A different group of chickens was isolated in an animal unit and challenged with 10^{4.0} CLD₅₀ of the velogenic strain of ND virus (Sato strain). Vaccinated group are given vaccine on day 4 and 8. Challenge Test was done on day 42. The SPF control chickens died of ND within 3 to 5 days after infection, while the vaccinated chickens 100% survive until the end of the observation period. The challenge test showed that the vaccines were effective in protecting the chickens from the velogenic strain of ND virus.