



**"Winter has come,  
be prepared"**  
Act early with  
VAKSIMUNE®

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# **VAKSIMUNE®**

## **NDL Inaktif 0,1**

INACTIVATED HATCHERY VACCINE AGAINST  
NEWCASTLE DISEASE GENOTYPE VII



# VAKSIMUNE® ND L Inaktif 0,1

## Challenges & Our Commitment:

Newcastle Disease (ND) is a severe virus impacting poultry and birds, characterized by respiratory issues, reduced egg production, and high mortality. The disease is attributed to various strains of the Newcastle disease virus (NDV), classified into different genotypes based on genetic diversity. Notably, NDV genotype VII stands out as one of the most prevalent and virulent genotypes, causing outbreaks primarily in Asia and Africa. This genotype poses a substantial threat to poultry health and production, demanding robust control measures, including vaccination.

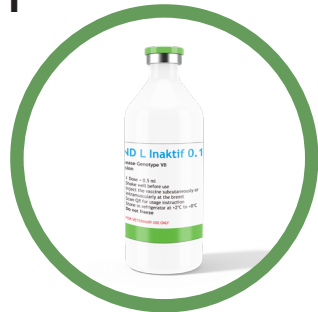
Our commitment to addressing the challenges posed by Newcastle Disease (ND) is underscored by the strategic use of Vaksimune ND L Inaktif 0,1, an inactivated ND Genotype VII vaccine. This vaccine, administered in hatcheries, ensures early, reliable, and cost-effective protection against ND. Emphasizing the importance of specific protection.

## Features:

VAKSIMUNE® ND L Inaktif 0,1 is an inactivated Newcastle Disease vaccine, each dose contains :

**Newcastle Disease Genotype VII virus > 10<sup>8.5</sup> EID<sub>50</sub>**

The vaccine is characterized by an excellent quality oil emulsion, which not only enhances its efficacy but also ensures safety for the vaccinated birds.



**Vaccination Strategy for broiler/breeder/layer:**  
Day One on Hatchery

**Vaccine Administration :**  
Vaccine can be administered via subcutaneous injection

**Packing size:**  
Available in 2000 & 5000 Doses

## VAKSIMUNE® ND L Inaktif 0,1 Benefits



### Comprehensive Hatchery Protection

Ensure thorough protection from day one! VAKSIMUNE® ND L Inaktif 0,1, when applied as a hatchery vaccination, establishes a strong defense against Newcastle disease in broiler chickens.



### Tailored Defense for ND Genotype VII

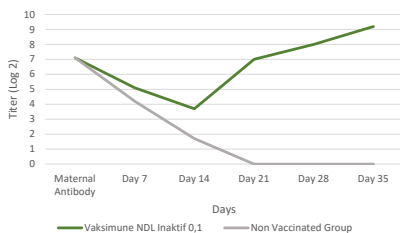
Precision protection for ND Genotype VII, VAKSIMUNE® ND L Inaktif 0.1 offers a matching solution with a specialized defense mechanism tailored to address the unique challenges presented by Newcastle disease Genotype VII.



### Suitable in High Challenge Environment

Precise protection in high-challenge environments! This inactivated vaccine precisely enhances immunity, strengthening chickens against the increased threats presented in high-challenge areas.

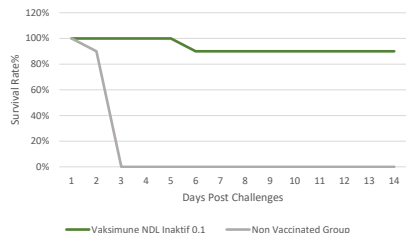
Serology (HI Test) Vaksimune ND L Inaktif 0,1



### Long Lasting Duration of Immunity

In our study, we conducted serological tests on 1-day-old broilers, revealing initially high MAb antibody titers that gradually dropped to 0 by 21 days. Introducing a vaccinated group, we observed a significant surge in antibody titers from day 21 to day 35 post-vaccination with Vaksimune ND L Inaktif 0.1. Meanwhile, the unvaccinated group exhibited no antibody response against Newcastle Disease (ND). This highlights the efficacy of ND L Inaktif 0.1 in breaching the MAb barrier and providing robust serological protection when used as a hatchery vaccination.

ND Challenge Test



### Proven Challenge Test

Chickens were vaccinated with VAKSIMUNE® ND L Inaktif 0.1 on Day one and challenged with velogenic ND genotype VII strain virus at 35 days post-vaccination. The vaccinated group demonstrated a remarkable 90% protection rate, highlighting the effectiveness of the vaccine, while the unvaccinated group experienced 100% mortality, along with severe conjunctivitis and depression observed from day 1 to 2 days post-challenge. This underscores the significance of VAKSIMUNE® ND L Inaktif 0.1 in generating strong antibody titers, providing protection even when birds had extremely high MAb levels.