

Using **Innovax® ND-IBD vaccine**



Innovation to maximize layer profitability



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Poultry industry can enjoy safe, effective, long term protection against three of the most important infectious and commercially disruptive flock diseases, via a single vaccine

Ugachick Poultry Breeders LTD is delighted to have launched our innovative hatchery vaccination using **Innovax® ND-IBD** to meet our customer's needs. Now you can learn more about it.

What is Innovax® ND-IBD?

Innovax® ND-IBD is an innovative new vaccine for chickens that is administered in the hatchery via injection. For the first time, the poultry industry can enjoy safe, effective, long term protection against three of the most important infectious and commercially disruptive flock diseases, via a single vaccine. These diseases are:

- Marek's Disease
- Newcastle Disease (ND) and
- Gumboro Disease, also known as Infectious Bursal Disease (IBD)

Technical development

Innovax® ND-IBD is the first ever dual-con-

struct HVT vaccine available to the poultry industry. An HVT vaccine uses a Marek's Disease virus (HVT) as a carrier, into which proteins from other viruses (in this case Newcastle Disease and Gumboro Disease) are inserted to stimulate an immune response against the Marek's Disease virus and the diseases from which the protein inserts were obtained. This enables us to stimulate immunity against three diseases, with a single injection.

Application

This vaccine has been designed for hatchery administration. It requires specialized handling and administration to ensure that each chick is well vaccinated.

Vaccination at the hatchery with a non-reactive HVT vaccine ensures more uniform protection and eliminates performance losses that could occur due to respiratory vaccination reactions or concerns about maternal antibody interference with

traditional IBD vaccines.

How it works

Innovax® ND-IBD is vaccinated into day-old chicks. Once the birds are vaccinated, the virus infects T and B lymphocytes, expressing and presenting the proteins for HVT (Marek's Disease), F (Newcastle Disease)

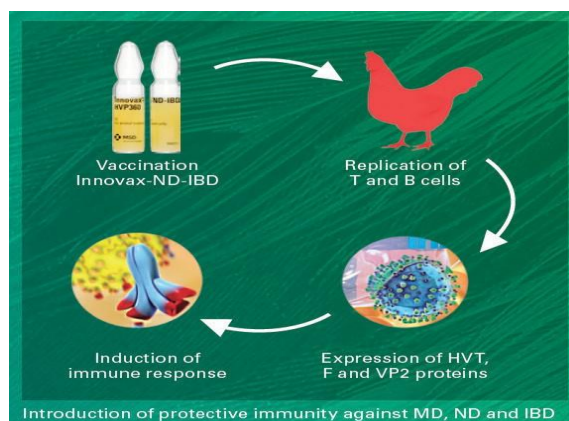
and VP2 (Gumboro Disease). The immune system develops immunity (antibodies and cell mediated) to all these components. The antibodies against the F protein prevent ND challenge and the antibodies against the VP2 protein prevent IBD challenge.

Efficacy

Innovax® ND-IBD has demonstrated protection against standard virulent ND and IBD as well as genotype VII ND and vvIBD challenges and classical, variant (Var E) and vvIBDV (CS89) challenges. Innovax® ND-IBD provides unique 3-in-1 protection, allowing for more dependable and complete performance, whether measured by growth rate, feed efficiency or egg production. All performance parameters can enjoy maximum potential without interference from ND, IBD or Marek's disease.

Why we Use Innovax® ND-IBD at Ugachick Poultry Breeders LTD

- Superior, long-term disease protection and prevention
- Healthier, more productive birds
- Higher, more consistent profits
- Improved process control and consistency
- Lower costs
- Fewer disruptions to production
- Reduced antibiotic usage and medication costs.



For more information, visit website www.ugachickspoultrybreeders.com or Call +256 708-646-464/0787374495 You may also write to us via customer service +256 392 853 492

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