

# COMBINED AVIAN INFECTIOUS BRONCHITIS & RANIKHET DISEASE VACCINE, INACTIVATED, WATER IN OIL EMULSION

357806 R1



Nobilis® IB multi + ND

NOT FOR HUMAN USE FOR ANIMAL TREATMENT ONLY.



Warning: To be sold by retail on the prescription of a 'Veterinary Doctor' only

## COMPOSITION

Nobilis IB multi + ND contains 2 immunogenic strains of Infectious Bronchitis virus and one immunogenic strain of Newcastle Disease virus. The IB component contains a Massachusetts type strain and a variant strain belonging to the 249 G (D207/D274) type.

The viruses have been grown on embryonated eggs & are inactivated with formalin and subsequently suspended in water phase of an oil adjuvant emulsion.

## Composition

Active components per dose:

IB virus strain M41:	inducing $\geq 4.0 \log_2$ VN units
IB virus strain 249G:	inducing $\geq 4.0 \log_2$ VN units
ND virus strain Clone 30:	containing $\geq 50 PD_{50}$ inducing $\geq 4.0 \log_2$ HI units per 1/50 dose

## INDICATION

The vaccine is recommended for the booster vaccination of layer and breeding stock for protection against Infectious Bronchitis in areas where the serotypes of IB covered by the vaccine strains are known to be prevalent and for the protection against Newcastle Disease.

In areas where variant strains of IB are not present a Nobilis vaccine can be used with only a Massachusetts serotype strain as the IB component.

## RECOMMENDED VACCINATION PROGRAM

Nobilis IB Multi + ND should be given to birds around 16 - 20 weeks of age but not less than 4 weeks before the expected onset of lay.

For an optimal booster effect, the birds must be primed with live vaccines against Infectious Bronchitis and Newcastle Disease.

For priming against IB Massachusetts the following scheme is suggested:

day old Nobilis IB Ma5 or Nobilis IB H120 coarse spray / oculo-nasal method

additional priming for the IB variant serotypes:

8 to 12 weeks Preferably homologous IB vaccine Nobilis strain 249 G ( serotype D207/D274) or else heterogenous IB vaccine Nobilis strain Ma5 or IB vaccine Nobilis H-120.  
Application method: preferably oculo-nasal, spray methods can also be used.

The best results will be obtained if vaccination with inactivated vaccine takes places 6 or more weeks after administration of the live primer but in no circumstances should this be carried out earlier than 4 weeks after priming.

## DOSAGE AND ADMINISTRATION

Each bird should be given 0.5 ml of vaccine intramuscularly in the thigh or breast muscle or subcutaneously in the lower part of the neck.

## IMMUNITY

When vaccination and priming have been carried out correctly the birds will develop antibodies at a level which provides protection against Newcastle Disease and production losses caused by types of IB covered by the vaccine strain.

## VACCINATION REACTIONS

In healthy birds no clinical reaction to vaccination will be observed. For some weeks after vaccination a slight swelling may be felt at the site of vaccine injection. This does not constitute permanent damage of the tissue provided that the vaccination has been carried out aseptically.

**WITHDRAWAL PERIOD:** None

## NOTE

- Vaccinate only healthy birds.
- Before use allow the vaccine to reach room temperature (15-25°C).
- Shake the bottle well before use.
- Use sterile vaccination equipment.
- Do not mix with other vaccines.
- Should a vaccinator inject himself or a bystander by accident, a local reaction may occur. It is recommended that the advice of a doctor is sought, taking care to inform the doctor that the vaccine is an oil emulsion.

**SHELF LIFE:** 24 months when stored at 2 to 8 °C

## STORAGE

Store at a temperature of 2° to 8°C, avoid freezing.

## PACK

Bottle containing 500 ml sufficient for 1000 doses

*Precautions for disposal of unused product or waste material*

No special precautions are required. Discard by the appropriate channels. For animal treatment only.

## Imported and Marketed by:

Intervet India Pvt. Ltd.  
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