

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



Nobilis® IB+ND

NOT FOR HUMAN USE; FOR ANIMAL TREATMENT ONLY

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

## DESCRIPTION

Nobilis® IB+ND contains one immunogenic strain of Infectious Bronchitis virus (Massachusetts serotype) and one immunogenic strain of Newcastle Disease virus. The viruses have been grown on embryonated eggs and are inactivated with formalin. Subsequently they have been suspended in the aqueous phase of an oil adjuvant emulsion.

## COMPOSITION

Active components per dose:

IB strain M41: inducing  $\geq 6.0 \log_2$  HI units

ND Clone 30: containing  $\geq 4 \log_2$  HI units per 1/50th of a dose or  $\geq 50 \text{ PD}_{50}$  units

## INDICATION

The vaccine is recommended for the booster vaccination of layers and breeding stock for protection against Newcastle Disease and the Massachusetts type of Infectious Bronchitis. In areas where variant serotypes of IB are not present, a Nobilis® vaccine with only the Massachusetts serotype strain as the IB component can be used. In areas where variant serotypes of IB are known to be prevalent, a Nobilis® vaccine including variant strains of IB should be used.

## RECOMMENDED VACCINATION PROGRAMME

Nobilis® IB+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 of the separate component strains.

The best results will be obtained if vaccination with inactivated I.B. vaccine takes place 6 or more weeks after administering the live vaccine but in no circumstances should it be done earlier than 4 weeks after priming.

## DOSAGE AND ADMINISTRATION

Each bird should be given 0.5 ml of vaccine intramuscularly in the thigh or chest muscle or subcutaneously into the back 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 the serotype Massachusetts of Infectious Bronchitis.

## 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 vaccination.

Local tissue reactions may occur.

## WITHDRAWAL PERIOD

None

## LIST OF EXCIPIENTS:

- Liquid paraffin
- Polysorbate 80
- Sorbitan mono-oleate
- Glycine
- Formaldehyde
- Water for injection

## NOTE

- Vaccinate healthy birds only.
- Before using vaccine allow it to reach room temperature ( $15^\circ$  to  $25^\circ\text{C}$ ).
- Shake the bottle prior to application.
- Use sterile injection equipment.
- Use the entire contents when first opened.
- Do not mix Nobilis® with other vaccines.
- Should a vaccinators by accident inject himself or a bystander, a local reaction may occur. It is recommended that the advice of a doctor should be sought, taking care to inform the doctor that the vaccine is an oil emulsion.

## SHELF LIFE : 24 months

**STORAGE**

Store in dark between +2°C and +8°C and avoid freezing.  
Broached vials should be used within three hours.

**PACK**

Bottle containing 500 ml sufficient for 1000 doses.

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Manufactured by:  
Intervet International BV  
Boxmeer, The Netherlands

Imported & Marketed by :  
Intervet India Pvt. Ltd.  
Sagar complex, Bldg.B-1  
Gala No. 12 to 16  
Ovali Village, Bhiwandi  
Thane 421302 India.  
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