

# COMBINED AVIAN INFECTIOUS BRONCHITIS AND RANIKHET DISEASE VACCINE, LIVE



Nobilis®  
Ma5 + Clone 30



**NOT FOR HUMAN USE FOR ANIMAL TREATMENT ONLY**

**WARNING:** To be sold by retail on the prescription of a  
"Veterinary Doctor" only

## Description

Nobilis® Ma5 + Clone30 is a live, freeze dried vaccine against Infectious Bronchitis & Newcastle Disease in chicken.

## Composition:

Each dose of vaccine contains at least 3.0 log<sub>10</sub> EID<sub>50</sub> per bird dose of Live Infectious Bronchitis Virus strain Ma5 and at least 6.0 log<sub>10</sub> ELD<sub>50</sub> per bird dose of Live Newcastle Disease Virus strain Clone 30 in a stabilizer .

## Indication

Immunization of healthy chicken against Infectious Bronchitis and Ranikhet Disease.

## Administration:

### A. Spray method:

The vaccine should be dissolved in cool, clean water which is free from iron and chlorine. The vials should be opened under the water. The spray apparatus should be free from sediments, corrosion and traces of disinfectants (preferably use it for vaccination purpose only). The vaccine medicated water should be spread evenly over the correct number of birds, at a distance 30-40cm, preferably when the birds are sitting together in dim light.

For day old chicks, use 0.25 litre of water per 1000 birds and set the nozzle to produce droplets falling like a fine rain.

For older birds, dissolve 1000 doses per litre of water and set the nozzle to produce fine droplets. (Aerosol generators should be used only when this is known to be safe to the birds).

### B. Intranasal / intraocular instillation:

Dissolve the vaccine in a physiological saline solution (Usually 30ml per 1000 doses) & administered by means of a standardized dropper. One drop should be applied from a height of a few centimeters onto one nostril or one eye. The handler should ensure that the nasal drop is inhaled by the bird.

### C. Drinking water:

The vaccine should be opened under water. Use cool, clean water which is free of iron and chlorine. By adding 2 gm of skimmed milk powder per litre of water the virus retain its activity much longer. Ensure uptake of all the vaccine-medicated water in 2 hours. Depending on the weather conditions, it may be advisable to deprive the birds of water prior to vaccination. A sufficient number of water containers to provide adequate drinking space is essential. These should be free from traces of detergent & disinfectants. Dissolve 1000 doses in as many litres of waters as the age of birds in days, to a maximum of 40 litres.

The vaccine should be given in early mornings as this is the main period of drinking or the cool period on a hot day. When vaccinating larger flocks, it is advisable to start by dissolving only part of the vaccine. If vaccine is administered through a central water supply or a proportioner, great care should be taken. For numbers of birds between standard dosages, the next higher dose should be chosen.

Note: Administration by coarse spray or the oculo / nasal route gives the best response. These should be method of choice, especially when vaccinating young birds.

## Vaccination programme

The vaccine is safe to use from 1 day of age onwards.

The optimum time and method of administration depend largely upon the local situation. Therefore, the advice of the veterinarian should be sought.

## Immunity & Vaccination reaction

Duration & Intensity of vaccination reaction and the establishment of a solid immunity are generally dependent on the health and condition of the birds. Hygiene & management are also important in the post vaccination period.

An adequate immunity against ND & the Massachusetts type of IB will last for approximately for 6 weeks. In areas where ND is endemic, a second vaccination with Clone 30 should be given within approximately 4 weeks after the first. Emergency vaccination during the laying period may be accompanied by a transient drop in egg production.

**Withdrawal Period: None**

**Precautions:**

- Wash and disinfectant hands and equipment after vaccinating. Any surplus vaccine should be destroyed by burning or by boiling.
- Vaccinate healthy birds only.
- Each vial should be used immediately after opening.
- Reconstituted vaccine should be used within 2 hours.
- The application of the vaccine can cause temporary conjunctivitis with the operator. Avoid exposure to the vaccine virus as much as possible ( e.g. by wearing a face mask)

**Storage conditions:**

Store at +2°C to +8°C.

**Shelf life:**

In freeze dried form: 24 months

After reconstitution: 2 hours

**Presentations:**

Boxes with vials each containing 500, 1000, 2000, 2500, 3000, 5000 or 10000 doses

**Manufactured by:**

Intervet International BV  
Boxmeer, The Netherlands.

**Imported & Marketed by:**

Intervet India Pvt. Ltd  
Sagar Complex, Bldg. B-1, Gala no. 12 to 14, Ovali Village,  
Bhiwandi, Maharashtra, Tal: Bhiwandi-16, (Thane Z5) Pin: 421 302