



## NEWCASTLE DISEASE VACCINE, LIVING (R2B STRAIN)

### DIRECTIONS FOR USE

#### DESCRIPTION

This vaccine contains Newcastle Disease (ND) vaccine mesogenic R2B strain received from Indian Veterinary Research Institute (IVRI), Izatnagar, Bareilly, Uttar Pradesh in lyophilized form. The virus is grown in Specific Pathogen Free (SPF) eggs, harvested and freeze dried with suitable stabilizer. It contains ND (R2B Strain) live virus vaccine strain and presented in freeze dried pellet form.

The product meets all rigid quality control standards of purity, safety, and potency as per individual monographs of viral vaccine of Schedule F1 / IP 1996, Veterinary Supplement 2000.

#### INDICATIONS

ND (R2B Strain) live, freeze dried vaccine is reconstituted in Ventri's R2B diluent and is recommended for active immunization of birds and layer flocks, against field strains of Newcastle disease.

#### DOSAGE FORM

Each dose of vaccine contains live, freeze dried ND (R2B) vaccine virus  $10^5$  EID<sub>50</sub> suspended in a suitable stabilizer.

#### DOSAGE

Dose per chick ..... 0.5 ml

#### RECONSTITUTION

For reconstitution of vaccine, use of Ventri's R2B sterile diluent is recommended. Store the diluent bottles in the refrigerator overnight, to chill before use. Reconstitution of vaccine is carried out by drawing small quantity of diluent in the sterile syringe and then transferring this diluent in a freeze dried vaccine vial. Allow the pellet to dissolve completely with diluent, gently shake the vaccine vial, and then transfer it to the diluent bottle. Rinse the vaccine vial twice with the diluent in a similar manner. Follow aseptic techniques during reconstitution. The vaccine, after reconstitution in diluent, should be stored on ice and used immediately.

#### ADMINISTRATION

For R2B vaccination, inject 0.5 ml of vaccine, preferably by intramuscular or subcutaneous route using sterile syringe using 20 - 22 G needle. Use aseptic vaccination techniques. In case of using large size dose pack, it is advisable to use more vaccinator crew to utilise the vaccine immediately. Vaccinate only the breeding stock and replacement pullets at the age of 8 to 10 weeks. It is advisable to prime the birds with Ventri's ND (La Sota) vaccine 2 - 3 weeks prior to ND (R2B) vaccination. It is necessary to vaccinate chicks with ND (R2B) vaccine only after reaching proper body weight (600 gm) after 8 weeks of age, to avoid neural reactions.

#### CONTRA-INDICATION

This vaccine is not recommended for those birds, which are clinically sick or severely debilitated, or under conditions of severe stress and strain and the birds which are having net body weight of less than 600 gm or below the age of 8 to 9 weeks.

#### GENERAL RECOMMENDED ND VACCINATION SCHEDULE

Age of bird	Type of vaccine	Route /Method of vaccination
1 - 6 days	ND (B1)/La Sota	Spray / Intra ocular / Nasal instillation / Drinking water method for priming
4 - 5 weeks	ND (La Sota)	Intraocular / Nasal instillation / Drinking water method
8 - 9 weeks	ND (R2B)	Subcutaneous / intramuscular route
16 - 18 weeks	ND (R2B)	Subcutaneous / intramuscular route
Layer flock	ND (La Sota)	Repeat every 8 - 10 weeks through drinking water method

#### SHELF LIFE

Vaccine when stored at recommended conditions has shelf life of 12 months, which is indicated as an expiry date on the label.

#### STORAGE AND SHIPPING

Vaccine should be stored at +2°C to +8°C, preferably in deep freeze and transported through cold chain system. The vaccine should be protected from light. Diluent is stored and transported at room temperature.

#### PRESENTATION

Vials of 3 ml capacity, containing lyophilized ND (R2B) vaccine sufficient for 200 / 400 / 1000 doses as specified on the vaccine vial label and carton. Sterile diluent bottles sufficient for 200 / 400 / 1000 doses are supplied along with vaccine separately.

#### WARNINGS

- Consult Veterinarian / Poultry expert regarding vaccination schedule and use of vaccine.
- This product should be stored, transported, and administered in accordance with the instructions and directions of the manufacturer.
- This vaccine is not recommended for those birds, which are clinically sick or severely debilitated, or under conditions of severe stress and strain.
- Use the sterile diluent supplied with the vaccine only. This has been tested for its stability in the laboratory for virus for which it is prepared. We do not accept responsibility for the use of any other manufacturer's vaccine diluent.
- Examine diluent bottle before mixing for any abnormal change such as colour, turbidity, or foreign body. If so, do not use this bottle of diluent.
- Do not use unsterile vaccination equipment. Chemical disinfectant should not be used for sterilization of equipment.
- Do not mix the diluent and the vaccine until all the other preparations are ready.
- Keep reconstituted vaccine in ice bath during the entire vaccination period.
- Always vaccinate the healthy birds and keep the vaccinated birds comfortable by providing adequate temperature, feed, water, and good ventilation.
- **Burn and destroy the used containers along with the leftover vaccine.**



For further information on the vaccine please contact

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