



**NEWCASTLE DISEASE (La Sota STRAIN) AND INFECTIOUS BURSAL DISEASE (INTERMEDIATE STRAIN)
VACCINE, LIVING BP (Vet)
DIRECTIONS FOR USE**

DESCRIPTION

This combined vaccine contains Newcastle Disease ND (La Sota Strain) and Infectious Bursal Disease vaccine virus IBD (Intermediate Strain) of Specific Pathogen Free (SPF) chicken embryo origin received from Tri Bio Laboratories, Inc., State College, PA, USA in lyophilized form. The viruses are grown individually in SPF eggs, and in fibroblast cell culture derived from SPF chick embryo origin. After harvest of individual components, both are combined together, and freeze dried with suitable stabilizer. This combined vaccine contains live virus vaccine strains of ND (La Sota) + IBD (Intermediate) 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 BP (Vet).

INDICATIONS

ND and IBD combined live freeze dried vaccine is reconstituted in Venti's appropriate diluent, and is recommended for active immunization of chicks.

This combined product is specifically designed to combat both the ND and vIBD infections in thickly populated poultry belts throughout the year, especially in the summer season.

Often, it becomes necessary to conduct multiple ND and IBD vaccinations and other scheduled vaccinations at close intervals in early age of chick. These repeated vaccination schedules and handling of chicks induce undesirable stress, which may interfere with immunity.

The combined vaccine helps in reducing stress on the birds as both components of the vaccine are given in a single shot. Furthermore, it confers the same level of immunity against both the infections as the individual vaccines act independently.

DOSAGE FORM

Each dose of vaccine contains live, freeze dried vaccine virus more than 10⁶ EID₅₀ per dose of ND (La Sota) virus and 10³ EID₅₀ per dose of IBD (Intermediate) virus suspended in a suitable stabilizer.

DOSAGE

Eye drop method 0.03 ml per chick
Drinking water route Sufficient vaccine mixed with water for birds to be vaccinated

RECONSTITUTION

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. Vaccine after reconstitution should be stored on ice and used completely within one hour.

ADMINISTRATION

A. EYE DROP METHOD:

Eye drop method should be used for primary vaccination. Use reconstituted vaccine immediately. If this method is to be used for higher dose packs, it is advisable to use more vaccinators, so as to utilize reconstituted vaccine immediately.

METHOD: Hold the chick with one eye turned up. Take the vaccine product in sterile syringe, using blunt needle of 16 gauge or calibrated dropper supplied along with vaccine pack, instill either into the eye or nostril one drop per chick. Ensure that the vaccine drop is completely absorbed in the eye.

B. DRINKING WATER METHOD:

For drinking water method, before giving the vaccine, withhold the birds from drinking water for at least two hours to allow birds to get thirsty. However, variation in this can be done depending on the season.

Do not use Chlorinated water. The waterers should be thoroughly cleaned before use. Do not use any disinfectant. Vaccination should always be conducted during cool hours. Use clean and cool water. Small ice blocks may be added in water to make it cool.

METHOD: Use of fresh skimmed milk powder of a good quality is recommended as a stabilizer for drinking water method. For each 10 litres of water, use 60 grams of skimmed milk powder. Skimmed milk powder is first dissolved in small quantity of water and then mixed with total quantity of water to be used for vaccination. Dissolve required number of doses of vaccine with diluent thoroughly and finally mix the content of reconstituted vaccine into the bulk skimmed milk water. Provide ample water space so that at least maximum number of birds can drink vaccine mixed with water comfortably.

MIXING PROPORTION:

Mix reconstituted vaccine in drinking water according to following schedule:

Age of bird	Litres of water to be used				
	2000 doses	1000 doses	500 doses	200 doses	100 doses
14 - 18 days	15 - 20 litres	8 - 10 litres	4 - 5 litres	2 - 3 litres	1 litre
28 - 31 days	25 - 30 litres	10 - 12 litres	5 - 6 litres	3 - 4 litres	2 litres
40 - 45 days	40 - 45 litres	15 - 20 litres	8 - 10 litres	5 - 6 litres	3 litres

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.

RECOMMENDED SCHEDULE OF VACCINATION

Sr.	Age of chicks	Vaccine to be used	Dose / Route / Method of vaccination
1	5 th day	ND + IBD combined vaccine	Intra ocular 0.03 ml
2	14 th day	IBD (Intermediate Plus)	Drinking water method
3	21 st - 28 th day	ND + IBD combined vaccine	Drinking water method
4	35 th - 40 th day	ND + IBD combined vaccine	Drinking water method
5	8 th to 9 th week	R2B vaccine	0.5 ml S/c or I/m
6	16 th - 18 th week	R2B vaccine or ND killed vaccine	0.5 ml S/c or I/m

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 and 10 ml capacity, each containing lyophilized ND (La Sota Strain) and Infectious Bursal Disease (Intermediate Strain) vaccine sufficient for 100 / 200 / 500 / 1000 / 2000 doses as specified on the vial label and carton. Sterile diluent bottles sufficient for 100 / 200 / 500 / 1000 / 2000 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.
- For drinking water method, remove any disinfectant or water sanitizer from drinking water for 24 hours prior to and after vaccination.
- **Burn and destroy the used containers along with the leftover vaccine.**



For further information on the vaccine please contact

Venkateshwara Hatcheries Private Limited
(Ventri Biologicals, Vaccine Division)



Mfg. License No. PD-10

Correspondence: 25 km, Pune - Panshet Road, Girinagar, Pune - 411 025, (MS), India.

Plant address: 31 km, Pune - Panshet Road, Village Malkhed, Taluka Haveli, District Pune, (MS), India.

Corporate address: "Venkateshwara House", S. No. 114/A/2, Pune - Sinhadgad Road, Pune - 411 030, (MS), India.